Linear IC Equivalents & Pin Connections

ADRIAN MICHAELS

Linear IC Equivalents & Pin Connections

ADRIAN MICHAELS

BERNARD BABANI (publishing) LTD
The Grampians
Shepherds Bush Road
London W6 7NF
England

Although every care is taken with the preparation of this book, the publishers or author will not be responsible in any way for any errors that might occur.

© 1978 BERNARD BABANI (publishing) LTD

I.S.B.N. 0 85934 045 7

First Published – April 1978

Printed and Manufactured in Great Britain by C. Nicholls & Co. Ltd.

HOW TO USE THE TABLES

TYPE	FIG	1	2	3	4	EUROPE	AMERICA
Original type for which a substitute is wanted, arranged in alpha-numerical system. Δ Out of production. Ψ Announced. Φ Renumbered; new number in columns 8 through 11 marked with 'Φ'	Pin configurations numbered in correspondence see pages 144 through 319.	FAMILIES I - Interface L - Linear					

American equivalent type.

Φ new type-number for same.

(..) near equivalent.

European equivalent type.

Φ new type-number for same.

(..) near equivalent.

MANUFACTURERS

AD	Analog Devices	NS	National
AM	Advance Micro Devices	RC	RCA
FC	Fairchild	RY	Raytheon
H	Harris	S	Signetics
IT	ITT	SE	Sescosem
MO	Motorola	SG	SGS-ATES
PH	Philips	SI	Siemens
		TE	AEG-Telefunken
		TI	Texas Instruments
		TS	Teledyne

LAND OF ORIGINE

E - Europe   A - America

FUNCTIONS

I   L

Associated with the I of column 1

A - A/D converters
C - Current sources
D - D/A converters
G - Schmitt-triggers
H - High Voltage, High Current drivers
I - LED drivers
J - Translators
L - Level converters
M - Memory and clock drivers
N - Line transceivers
P - Peripheral drivers
R - Line receivers
S - Sense amplifiers
T - Line drivers
V - Power drivers
X - Other functions

Associated with the L of column 1.

A - Audio circuits
B - Balanced modulators/demodulators
C - Voltage comparators
D - Differential amplifiers
E - Entertainment circuits
F - Functiongenerators
G - Voltagefollowers
H - Sample and Hold circuits
I - Transistor and Diode arrays
K - Power amplifiers
L - Phase locked loop
M - Multipliers
N - Non-linear amplifiers
O - Operational amplifiers
P - Opto
R - Radio-TV circuits
S - Switches
T - Timers
V - Voltage regulators
X - Other functions
Z - Zero Voltage Switch

PLEASE NOTE

In some equivalents shown in this book there may be slight differences – i.e. in dimensions, in dissipations or in some mechanical or electrical characteristics, etc. – between the types listed in the first column and those listed in the last four columns of the tables. Therefore, if the conditions under which the replacement IC operate, are critical, reference should be made to the appropriate manufacturer's literature before a final replacement choice is made.

ALSO AVAILABLE

BP40: DIGITAL IC EQUIVALENTS AND PIN CONNECTIONS
AUTHOR: ADRIAN MICHAELS
ISBN: 0 85934 044 9
Approx. size: 180 x 127 mm

PRICE: £2.50
320 Pages

Shows Equivalents and Pin Connections of a popular user-orientated selection of Digital Integrated Circuits.

Also shows details of Packaging, Families, Functions, Country of Origin and Manufacturer.

Includes devices manufactured by Fairchild, Ferranti, Harris, ITT, Motorola, National, Philips, R.C.A., Signetics, Sescosem, SGS-Ates, Siemens, SSSI, Stewart Warner, AEG-Telefunken, Texas Instruments, Teledyne.

Companian volume to book No. BP41 – LINEAR IC EQUIVALENTS AND PIN CONNECTIONS.

An invaluable addition to the Library of all those interested in Electronics, be they amateur or professional.

type	fig	1	2	3	4	europe	europe	america	america
AD0042C	LO1	L	O	A	AD			LM0042C	
AD201A	LO2	L	O	A	AD			LM201A AM201A SG201A	CA201A ICL-201A
AD201A	LO3	L	O	A	AD			LM201A AM201A SG201A	CA201A ICL-201A
AD201A	LO4	L	O	A	AD			LM201 AM201A SG201A	CA201A ICL-201A
AD208	LO5	L	O	A	AD				
AD208A	LO5	L	O	A	AD				
AD301A	LO3	L	O	A	AD			SN72301A LM301A ICL-301A	CA301A AM301A SG301A
AD301A	LO4	L	O	A	AD			SN72301A LM301A ICL-301A	CA301A AM301A SG301A
AD301AL	LO3	L	O	A	AD				
AD301AL	LO4	L	O	A	AD				
AD308	LO5	L	O	A	AD			LM308	
AD308A	LO5	L	O	A	AD				
AD351J	LC5	L	C	A	AD				
AD351K	LC5	L	C	A	AD				
AD501A	LO6	L	O	A	AD				
AD501B	LO6	L	O	A	AD				
AD501C	LO6	L	O	A	AD				
AD503J	LO1	L	O	A	AD			LH0042C	
AD503K	LO1	L	O	A	AD			LH0042C	
AD504J	LO7	L	O	A	AD				
AD504K	LO7	L	O	A	AD				
AD504L	LO7	L	O	A	AD				
AD504M	LO1	L	O	A	AD				
AD505J	LO8	L	O	A	AD				
AD505K	LO8	L	O	A	AD				
AD506J	LO1	L	O	A	AD			LH0022C	
AD506K	LO1	L	O	A	AD			LH0022C	
AD506L	LO1	L	O	A	AD				
AD507J	LO9	L	O	A	AD				
AD507K	LO9	L	O	A	AD				
AD508J	LO7	L	O	A	AD				

type	fig	1	2	3	4	europe	europe	america	america
AD508K ⅃	LO7	L	O	A	AD				
AD508L ⅃	LO7	L	O	A	AD				
AD509J	LO9	L	O	A	AD				
AD509K	LO9	L	O	A	AD				
AD511A	LO6	L	O	A	AD				
AD511B	LO6	L	O	A	AD				
AD511C	LO6	L	O	A	AD				
AD512K	LO1	L	O	A	AD				
AD513J	LO3	L	O	A	AD			LH0042C	
AD513K	LO3	L	O	A	AD			LH0042C	
AD514J	LO1	L	O	A	AD			(LH0042C)	
AD514K	LO1	L	O	A	AD			(LH0042C)	
AD514L	LO1	L	O	A	AD			(LH40042C)	
AD516J	LO3	L	O	A	AD			LH0022C	
AD516K	LO3	L	O	A	AD			LH0022C	
AD518J	LO10	L	O	A	AD				
AD518K	LO10	L	O	A	AD				
AD520J	LO11	L	O	A	AD				
AD520K	LO11	L	O	A	AD				
AD521J	LO12	L	O	A	AD				
AD521K	LO12	L	O	A	AD				
AD523J	LO13	L	O	A	AD			(LH0052C)	
AD523K	LO13	L	O	A	AD			(LH0052C)	
AD523L	LO13	L	O	A	AD			(LH0052C)	
AD528J	LO10	L	O	A	AD			(LH0062C)	
AD528K	LO10	L	O	A	AD			(LH0062C)	
AD530J	LM1	L	M	A	AD				
AD530J	LM2	L	M	A	AD				
AD530K	LM1	L	M	A	AD				
AD530K	LM2	L	M	A	AD				
AD530L	LM1	L	M	A	AD				
AD530L	LM2	L	M	A	AD				
AD531J	LM3	L	M	A	AD				
AD531K	LM3	L	M	A	AD				
AD531L	LM3	L	M	A	AD				
AD532J	LM4	L	M	A	AD				

type	fig	1	2	3	4	europe	europe	america	america
AD532J	LM5	L	M	A	AD				
AD532K	LM4	L	M	A	AD				
AD532K	LM5	L	M	A	AD				
AD533J	LM1	L	M	A	AD				
AD533J	LM2	L	M	A	AD				
AD533K	LM1	L	M	A	AD				
AD533K	LM2	L	M	A	AD				
AD533L	LM1	L	M	A	AD				
AD533L	LM2	L	M	A	AD				
AD540J	LO1	L	O	A	AD			(LH0042C)	
AD540K	LO1	L	O	A	AD			(LH0042C)	
AD562A-BCD	ID1	I	D	A	AD				
AD562A-BIN	ID1	I	D	A	AD				
AD562K-BCD	ID1	I	D	A	AD				
AD562K-BIN	ID1	I	D	A	AD				
AD741C	LO1	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD741C	LO14	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD741J	LO1	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD741J	LO14	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD741K	LO1	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD741K	LO14	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD741L	LO1	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD741L	LO14	L	O	A	AD			SN72741 MC1741C N5741 RC741 SG741C	μA741C LM741C CA741C ICL-741C 741 C
AD3542J	LO1	L	O	A	AD			BB3542	
AD7501J	LS1	L	S	A	AD				
AD7501J	LS1	L	S	A	AD				

type	fig	1	2	3	4	europe	europe	america	america
AD7501K	LS1	L	S	A	AD				
AD7501K	LS1	L	S	A	AD				
AD7502J	LS2	L	S	A	AD				
AD7502K	LS2	L	S	A	AD				
AD7502K	LS2	L	S	A	AD				
AD7503J	LS1	L	S	A	AD				
AD7503J	LS1	L	S	A	AD				
AD7503K	LS1	L	S	A	AD				
AD7503K	LS1	L	S	A	AD				
AD7506J	LS3	L	S	A	AD				
AD7506J	LS3	L	S	A	AD				
AD7506K	LS3	L	S	A	AD				
AD7506K	LS3	L	S	A	AD				
AD7507J	LS4	L	S	A	AD				
AD7507J	LS4	L	S	A	AD				
AD7507K	LS4	L	S	A	AD				
AD7507K	LS4	L	S	A	AD				
AD7510J	LS5	L	S	A	AD				
AD7510J	LS5	L	S	A	AD				
AD7510K	LS5	L	S	A	AD				
AD7510K	LS5	L	S	A	AD				
AD7511J	LS5	L	S	A	AD				
AD7511J	LS5	L	S	A	AD				
AD7511K	LS5	L	S	A	AD				
AD7511K	LS5	L	S	A	AD				
AD7512J	LS6	L	S	A	AD				
AD7512J	LS6	L	S	A	AD				
AD7512K	LS6	L	S	A	AD				
AD7512K	LS6	L	S	A	AD				
AD7513J	LS8	L	S	A	AD				
AD7513J	LS7	L	S	A	AD				
AD7513K	LS8	L	S	A	AD				
AD7513K	LS7	L	S	A	AD				
AD7516J	LS9	L	S	A	AD				
AD7519J	LS10	L	S	A	AD				
AD7520J	LS11	I	D	A	AD				

type	fig	1	2	3	4	europe	europe	america	america
AD7520J	LS11	I	D	A	AD				
AD7520K	LS11	I	D	A	AD				
AD7520K	LS11	I	D	A	AD				
AD7520L	LS11	I	D	A	AD				
AD7520L	LS11	I	D	A	AD				
AD7521J	LS12	I	D	A	AD				
AD7521J	LS12	I	D	A	AD				
AD7521K	LS12	I	D	A	AD				
AD7521K	LS12	I	D	A	AD				
AD7521L	LS12	I	D	A	AD				
AD7521L	LS12	I	D	A	AD				
AD8007C	LO1	L	O	A	AD			ICL8007C	
ADM501A	LO15	L	O	A	AD				
ADM501B	LO15	L	O	A	AD				
ADM501C	LO15	L	O	A	AD				
ADP501A	LO16	L	O	A	AD				
ADP501B	LO16	L	O	A	AD				
ADP501C	LO16	L	O	A	AD				
ADP511A	LO16	L	O	A	AD				
ADP511B	LO16	L	O	A	AD				
ADP511C	LO16	L	O	A	AD				
ADX218	LO10	L	O	A	AD				
ADX318	LO10	L	O	A	AD				
AH0014C	LS13	L	S	A	NS				
AH0015C	LS14	L	S	A	NS				
AH0019C	LS15	L	S	A	NS				
AH0126C	LS16	L	S	A	NS				
AH0129C	LS16	L	S	A	NS				
AH0133C	LS17	L	S	A	NS				
AH0134C	LS17	L	S	A	NS				
AH0139C	LS16	L	S	A	NS				
AH0140C	LS16	L	S	A	NS				
AH0141C	LS17	L	S	A	NS				
AH0142C	LS16	L	S	A	NS				
AH0143C	LS17	L	S	A	NS				
AH0144C	LS17	L	S	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
AH0145C	LS16	L	S	A	NS				
AH0146C	LS17	L	S	A	NS				
AH0151C	LS17	L	S	A	NS				
AH0152C	LS17	L	S	A	NS				
AH0153C	LS16	L	S	A	NS				
AH0154C	LS16	L	S	A	NS				
AH0161C	LS17	L	S	A	NS				
AH0162C	LS17	L	S	A	NS			(SH3002)	
AH0163C	LS16	L	S	A	NS				
AH0164C	LS16	L	S	A	NS				
AH2114C	LS18	L	S	A	NS				
AH5009C	LS19	L	S	A	NS				
AH5010C	LS19	L	S	A	NS				
AH5011C	LS23	L	S	A	NS				
AH5012C	LS23	L	S	A	NS				
AH5013C	LS20	L	S	A	NS				
AH5014C	LS20	L	S	A	NS				
AH5015C	LS24	L	S	A	NS				
AH5016C	LS24	L	S	A	NS				
AH5017C	LS21	L	S	A	NS				
AH5018C	LS21	L	S	A	NS				
AH5019C	LS25	L	S	A	NS				
AH5020C	LS25	L	S	A	NS				
AH5021C	LS22	L	S	A	NS				
AH5022C	LS22	L	S	A	NS				
AH5023C	LS26	L	S	A	NS				
AH5024C	LS26	L	S	A	NS				
AM101	LO3	L	O	A	AM			(µA748 M) CA748	CA101
AM101A	LO3	L	O	A	AM				CA101A
AM201	LO3	L	O	A	AM			µA748C CA748	CA201
AM301A	LO3	L	O	A	AM				CA301A
AM307	LO17	L	O	A	AM				CA307
AM741	LO1	L	O	A	AM				CA741
AM741C	LO1	L	O	A	AM			SN72741 MC1741C N5741 AD741C	µA741C LM741C CA741C ICL-741C

type	fig	1	2	3	4	europe	europe	america	america
AM747	L019	L	O	A	AM			SN52747 LM747 SG747	µA747 CA747 747C
AM747C	L019	L	O	A	AM			SN72747 LM747C SG747	µA747C N5747 747C
AM748	LO3	L	O	A	AM			SN52748 MC1748 S5748 ICL-748 SG748	µA748 LM748 CA748 RM748 748C
AM748C	LO3	L	O	A	AM			SN72748 MC1748C N5748 ICL-748C	µA748C LM748C SG748C RC748
CA101	LO18	L	O	A	RC			SN52101 AM101 SG101	LM101 ICL-101
CA101	LO3	L	O	A	RC			SN52101 AM101 SG101	LM101 ICL-101
CA101A	LO18	L	O	A	RC			SN52101A AD101A ICL-101A	LM101 AM101A SG101A
CA101A	LO3	L	O	A	RC			SN52101A NLM101A AM101A SG101A	LM101A AD101A ICL-101A
CA107	LO20	L	O	A	RC			SN52107 MLM107	LM107 SG107
CA107	LO17	L	O	A	RC			SN52107 MLM107	LM107 SG107
CA108	LO21	L	O	A	RC			SN52108 ICL-108	LM108 SG108
CA108	LO5	L	O	A	RC			SN52108 ICL-108	LM108 SG108
CA108A	LO21	L	O	A	RC			SN52108A ICL-108A	LM108A SG108A
CA111	LC1	L	O	A	RC			SN52111 SG111	MLM111
CA111	LC2	L	O	A	RC			SN52111 SG111	MLM111
CA201	LO18	L	O	A	RC			LM201 AM201 SG201	AD201 ICL-201
CA201	LO3	L	O	A	RC			LM201 AM201 SG201	AD201 ICL-201
CA201A	LO18	L	O	A	RC			LM201A ICL-201A	MLM201A SG201A
CA201A	LO3	L	O	A	RC			LM201A ICL-201A	MLM201A SG201A

type	fig	1	2	3	4	europe	europe	america	america
CA207	LO20	L	O	A	RC			LM207 SG207	MLM207
CA207	LO17	L	O	A	RC			LM207 SG207	MLM207
CA208	LO21	L	O	A	RC			LM208 SG208	ICL-208
CA208	LO17	L	O	A	RC			LM208 SG208	ICL-208
CA208A	LO21	L	O	A	RC			LM208A SG208A	ICL-208A
CA208A	LO5	L	O	A	RC			LM208A SG208A	ICL-208A
CA211	LC1	L	C	A	RC			LM211 SG21	MLM211
CA211	LC2	L	C	A	RC			LM211 SG211	MLM211
CA301A	LO4	L	O	A	RC			SN72301A AD301A ICL-301A	LM301A AM301A SG301A
CA301A	LO18	L	O	A	RC			SN72301A AD301A ICL-301A	LM301A AM301A SG301A
CA301A	LO3	L	O	A	RC			SN72301A AD301A ICL-301A	LM301A AM301A SG301A
CA307	LO22	L	O	A	RC			SN72307 AM307	LM307 SG307
CA307	LO20	L	O	A	RC			SN72307 AM307	LM307 SG307
CA307	LO17	L	O	A	RC			SN72307 AM307	LM307 SG307
CA308	LO21	L	O	A	RC			SN72308 ICL-308	LM308 SG308
CA308	LO5	L	O	A	RC			SN72308 ICL-308	LM308 SG308
CA308A	LO21	L	O	A	RC			SN72308A ICL-308A	LM308A SG308A
CA308A	LO5	L	O	A	RC			SN72308A ICL-308A	LM308A SG308A
CA311	LC1	L	C	A	RC			LM311	SG311
CA311	LC2	L	C	A	RC			LM311	SG311
CA339	LC3	L	C	A	RC			LM339	SG339
CA339A	LC3	L	C	A	RC			MC3302	
CA555	LT1	L	T	A	RC			NE555	
CA555	LT2	L	T	A	RC			NE555	
CA555	LT3	L	T	A	RC			NE555	

type	fig	1	2	3	4	europe	europe	america	america
CA555C	LT1	L	T	A	RC			NE555	
CA555C	LT2	L	T	A	RC			NE555	
CA555C	LT3	L	T	A	RC			NE555	
CA723	LV1	L	V	A	RC			NA723 LM723 RM723	MC723 ICL-723 SG723
CA723	LV2	L	V	A	RC			NA723 LM723 RM723	MC1723 ICL-723 SG723
CA723C	LV1	L	V	A	RC			NA723C LM723C RC723	MC723C ICL-723C SG723C
CA723C	LV2	L	V	A	RC			NA723C LM723C RC723	MC1723C ICL-723C SG723C
CA741	LO23	L	O	A	RC			SN52741 MC1741 S5741 ICL-741 SG741	NA741 LM741 AD741 RM741 741
CA741	LO1	L	O	A	RC			SN52741 MC741 S5741 ICL-741 SG741	µA741 LM741 AD741 RM741 741
CA741C	LO14	L	O	A	RC			SN72741 LM741C AD741C RC741 741C	µA741C N5741 ICL-741C SG741C MC741C
CA741C	LO23	L	O	A	RC			SN72741 LM741C AD741C RC741 741C	µA741 N5741 ICL-741C SG741C MC741C
CA741C	LO1	L	O	A	RC			SN72741 LM741C AD741C RC741 741C	µA741 N5741 ICL-741C SG741C MC741C
CA747	LO25	L	O	A	RC			SN52747 LM747 747	µA747 SG747
CA747	LO19	L	O	A	RC			SN52747 LM747 747	µA747 SG747
CA747C	LO25	L	O	A	RC			SN72747 LM747C SG747	µA747C N5747 747C
CA747C	LO19	L	O	A	RC			SN72747 LM747C SG747	µA747C N5747 747C
CA748	LO24	L	O	A	RC			SN52748 MC1748 S5748	µA748 LM748 ICL-748

type	fig	1	2	3	4	europe	europe	america	america
CA748	LO24	L	O	A	RC			RM748 748	SG748
CA748	LO3	L	O	A	RC			SN52748 MC1748 S5748 RM748 748	µA748 LM748 ICL-748 SG748
CA748C	LO4	L	O	A	RC			SN72748 MC1748C N5748 RC748 748C	µA748C LM748C ICL-748C SG748C
CA748C	LO18	L	O	A	RC			SN72748 MC1748C N5748 RC748 748C	µA748C LM748C ICL-748C SG748C
CA748C	LO3	L	O	A	RC			SN72748 MC1748C N5748 RC748 748C	µA748C LM748C ICL-748C SG748C
CA758	LR1	L	R	A	RC			SN76116 MC1311	µA758 LM1800
CA810	LA1	L	A	A	RC	TBA810S	TBA810AS		
CA810	LA1	L	A	A	RC	TBA810S	TBA810AS		
CA1310	LR2	L	R	A	RC			SN76115 LM1310	MA1310
CA1352	LR3	L	R	A	RC			SN76650	MA1352
CA1398	LR4	L	R	A	RC			MC1398	
CA1458	LO26	L	O	A	RC			SN72558 MC1458 N5558 SG1458	µA1458 LM1458 RC1458 1458
CA1458	LO27	L	O	A	RC			SN72558 MC1458 N5558 SG1458	µA1458 LM1458 RC1458 1458
CA1458	LO28	L	O	A	RC			SN72558 MC1458 N5558 SG1458	µA1458 LM1458 RC1458 1458
CA1488	IT1	I	T	A	RC			MC1488	
CA1489	IR1	I	R	A	RC			MC1489	
CA1489A	IR1	I	R	A	RC			MC1489A	
CA1541	IS1	I	S	A	RC			(µA7524) (1524)	MC1541
CA1558	LO27	L	O	A	RC			SN52558 MC1558 RM4558	µA1558 LM1558 1558
CA1558	LO28	L	O	A	RC			SN52558 MC1558 RM4558	µA1558 LM1558 1558
CA2111A	LR5	L	R	A	RC			LM2111	MC1357
CA2111A	LR5	L	R	A	RC			LM2111	MC1357
CA3000	LO24	L	O	A	RC			(µA702) (LM3028)	(MC1550) (702)

type	fig	1	2	3	4	europe	europe	america	america
CA3001	LR6	L	R	A	RC			(µA733) (LM733) (733)	(MC1723)
CA3002	LR7	L	R	A	RC			(µA703) (LM171) (703)	(MC1550)
CA3004	LR8	L	R	A	RC			(µA703) (LM3028)	(MC1550) (703)
CA3005	LR9	L	R	A	RC			(µA703) (LM3028)	(MC1550) (703)
CA3006	LR9	L	R	A	RC			(µA703) (LM3028)	(MC1550) (703)
CA3007	LR10	L	R	A	RC			(LM388) (MC1550)	(µA716) (716)
CA3008	LO29	L	O	A	RC			(µA702) (LF356) (702)	(MC1709
CA3008A	LO29	L	O	A	RC			(µA702) (702)	(MC1709)
CA3010	LO30	L	O	A	RC			(LF356) (MC1709)	(µA702) (702)
CA3010A	LO30	L	O	A	RC			(µA702)	MC1709)
CA3011	LO32	L	O	A	RC			(µA753) LM3011 (754)	MC1590 (753)
CA3012	L032	L	O	A	RC			(µA753) LM3012 (754)	MC1590 (753)
CA3013	LR11	L	R	A	RC			(µA753) (LM3065) (754)	MC1355 (753)
CA3014	LR11	L	R	A	RC			(µA753) (LM3065) (754)	MC1357 (753)
CA3015	LO30	L	O	A	RC			µA702 (LF356).	(MC1709) (702)
CA3015A	LO30	L	O	A	RC			(µA702) (702)	(MC1709)
CA3016	LO29	L	O	A	RC			(µA702) (LF356)	(MC1709) (702)
CA3016A	LO29	L	O	A	RC			(µA702) (702)	(MC1709)
CA3018	LI1	L	I	A	RC			LM3018	
	LI1	L	I	A	RC			µA3018	3018
CA3018A	LI1	L	I	A	RC				
	LI1	L	I	A	RC			µA3018A	3018A
CA3019	LI2	L	I	A	RC			LM3019	
	LI2	L	I	A	RC			µA3019	3019
CA3020	LA2	L	A	A	RC			(MC1554)	(LM388)
CA3020A	LA2	L	A	A	RC			(MC1554)	

type	fig	1	2	3	4	europe	europe	america	america
CA3020A	LA2	L	A	A	RC				(MC1554)
CA3021A	LR12	L	R	A	RC			(μA757) (LM733)	(MC1590) (757)
CA3022	LR12	L	R	A	RC			(μA757) (LM733)	(MC1590) (757)
CA3023	LR12	L	R	A	RC			(μA757) (LM733)	(MC1590) (757)
CA3026	LI3 LI3	L L	I I	A A	RC RC			LM3026 μA3026	3026
CA3028A	LO33	L	O	A	RC			(μA703) (703)	(MC1550)
CA3028A	LO33	L	O	A	RC			(μ703) (703)	(MC1550)
CA3028A	LO33	L	O	A	RC			(μ703) (703)	(MC1550)
CA3028B	LO33	L	O	A	RC			(MC1550)	
CA3028B	LO33	L	O	A	RC			(MC1550)	
CA3028B	LO33	L	O	A	RC			(MC1550)	
CA3029	LO31	L	O	A	RC			(μA702) (LF356)	(MC1709) (702)
CA3029A	LO31	L	O	A	RC			(μA702) (702)	(MC1709)
CA3030	LO31	L	O	A	RC			(LF356) (MC1709)	(μA702) (702)
CA3030A	LO31	L	O	A	RC			(μA702) (702)	(MC1709)
CA3033	LO34	L	O	A	RC			(μA709) (LH0041)	(MC1533) (709)
CA3033A	LO34	L	O	A	RC			(μA709) (709)	(MC1533)
CA3035	LO35	L	O	A	RC			(μA739) (LM3900)	(MC1352) (739)
CA3036	LO35	L	I	A	RC			(LM3018) μA3036	3036
CA3036	LO35	L	I	A	FC			(LM3018) μA3036	3036
CA3037	LO31	L	O	A	RC			(μA709) (LF356)	(MC1709) (709)
CA3037A	LO31	L	O	A	RC			(μA709) (709)	(MC1709)
CA3038	LO31	L	O	A	RC			(μA709) (LF356)	MC1709 (709)
CA3038A	LO31	L	O	A	RC			(μA709) (709)	MC1709)
CA3039	LI5 LI5	L L	I I	A A	RC FC			LM3039 3039	μA3039

type	fig	1	2	3	4	europe	europe	america	america
CA3040	LO36	L	O	A	RC			(μA733) (733)	(MC1510)
CA3041	LR13	L	R	A	RC			(μA3065) (LM1808)	(MC1351) (3065)
CA3042	LR13	L	R	A	RC			(μA3065) (LM1808)	(MC1357) (3065)
CA3043	LR14	L	R	A	RC			(μA3065) (LM3075)	(MC1357) (3065)
CA3044	LR15 LR15	L L	R R	A A	RC RC			(μA3044) 3044	(LM3064)
CA3045	LI6 LI6 LI6	L L L	I I I	A A A	RC RC FC			LM3045 3045	μA3045
CA3046	LI6 LI6	L L	I I	A A	RC FC			LM3046 3046	μA3046
CA3047	LO34	L	O	A	RC			(μA709) (LH0041)	MC1433 (709)
CA3047A	LO34	L	O	A	RC			(MC1433)	
CA3048	LO37	L	O	A	RC			(μA749) (LM387)	(MC3401) (749)
CA3049	LO38	L	O	A	RC			(LM3026)	
CA3050	LO39	L	O	A	RC			(μA730) CA3054	(730)
CA3051	LO39	L	O	A	RC			(μA730) (CA3054)	(730)
CA3052	LO37	L	R	A	RC			(LM387) (MC1339)	(μA739) (739)
CA3053	LO33	L	O	A	RC			(μA703) (703)	(MC1550) LM3053
CA3053	LO33	L	O	A	RC			(μA703) LM3053)	(MC1550) (703)
CA3053	LO33	L	O	A	RC			(μA703) (703)	(MC1550) LM3053
CA3054	LI4 LI4	L L	O O	A A	RC FC			LM3054 3054	μA3054
CA3058	LZ1	L	Z	A	RC			(μA742) (742)	(MFC8070)
CA3059	LZ1	L	Z	A	RC			(μA742) (742)	(MFC8070)
CA3060	LO41	L	O	A	RC			(μA739)	(739)
CA3060A	LO41	L	O	A	RC			(μA739)	(739)
CA3060B	LO41	L	O	A	RC			(μA739)	(739)
CA3062	LP1	L	P	A	RC				
CA3064	LR16	L	R	A	RC			MC1364 μA3064	LM3064 3064

type	fig	1	2	3	4	europe	europe	america	america
CA3064	LR16	L	R	A	RC			MC1364 μA3064	LM3064 3064
CA3064	LR16	L	R	A	FC			MC1364 μA3064	LM3064 3064
CA3065	LR17	L	R	A	RC			MC1358 μA3065	LM3065 3065
CA3065	LR17	L	R	A	FC			MC1358 μA3065	LM3065 3065
CA3066	LR18	L	R	A	RC			(MC1398) μA3066	(LM1829) 3066
CA3066	LR18	L	R	A	FC			(MC1398) μA3066	(LM1829) 3066
CA3066	LR18	L	R	A	FC			(MC1398) μA3066	(LM1829) 3066
CA3067	LR18	L	R	A	RC			MC1328 μA3067	LM3067 3067
CA3067	LR18	L	R	A	FC			MC1328 μA3067	LM3067 3067
CA3067	LR18	L	R	A	FC			MC1328 μA3067	LM3067 3067
CA3068	LR19	L	R	A	RC			(LM3071)	
CA3070	LR20	L	R	A	RC			μA780 LM3070	MC1370 780
CA3071	LR20	L	R	A	RC			μA781 LM3071	MC1371 781
CA3072	LR20	L	R	A	RC			μA746 LM3072	MC1328 746
CA3075	LR21	L	R	A	RC			(MC1375) μA3075	LM3075 3075
CA3075	LR21	L	R	A	FC			(MC1375) μA3075	LM3075 3075
CA3076	LR22	L	R	A	RC			(MC1590) μA3076	(LM2111) 3076
CA3076	LR22	L	R	A	FC			(MC1590) μA3076	(LM2111) 3076
CA3078	LO44	L	O	A	RC			(μA776) (776)	(LM4250)
CA3078	LO42	L	O	A	RC			(μA776) (776)	(LM4250)
CA3078	LO43	L	O	A	RC			(μA776) (776)	(LM4250)
CA3078A	LO44	L	O	A	RC				
CA3078A	LO42	L	O	A	RC				
CA3078A	LO43	L	O	A	RC				
CA3079	LZ1	L	Z	A	RC			(μA742) (742)	(MFC8070)

type	fig	1	2	3	4	europe	europe	america	america
CA3080	LO44	L	O	A	RC				
CA3080	LO44	L	O	A	RC				
CA3080	LO42	L	O	A	RC				
CA3080	LO43	L	O	A	RC				
CA3080A	LO42	L	O	A	RC				
CA3080A	LO43	L	O	A	RC				
CA3081	LI7	L	I	A	RC				
CA3081	LI7	L	I	A	RC			(DS8872)	
CA3082	LI8	L	I	A	RC				
CA3082	LI8	L	I	A	RC				
CA3083	LI9	L	I	A	RC				
CA3083	LI9	L	I	A	RC				
CA3084	LI10	L	I	A	RC				
CA3085	LV3	L	V	A	RC			(μA723) LM305	(MC1723) 723
CA3085	LV3	L	V	A	RC			(μA723) LM305	(MC1723) 723
CA3085	LV3	L	V	A	RC			(μA723) LM305	(MC1723) 723
CA3085A	LV3	L	V	A	RC			(μA723) (723)	(MC1723
CA3085B	LV3	L	V	A	RC			(μA723) (723)	(MC1723)
CA3086	LI6	L	I	A	RC			LM3086 μA3086	3086
CA3086	LI6	L	I	A	FC			LM3086 3086	μA3086
CA3088	LR23	L	R	A	RC			(LM1820) (720)	(μA720)
CA3089	LR24	L	R	A	RC			(LM3089) 3075	(μA3075)
CA3090A	LR25	L	R	A	RC			(μA758)	(758)
CA3091	LM6	L	M	A	RC			(μA795)	(795)
CA3093	LI11	L	I	A	RC			(LM3018)	
CA3094	LO45	L	O	A	RC				
CA3094	LO46	L	O	A	RC				
CA3094	LO47	L	O	A	RC				
CA3094A	LO45	L	O	A	RC				
CA3094A	LO46	L	O	A	RC				

type	fig	1	2	3	4	europe	europe	america	america
CA3094A	LO47	L	O	A	RC				
CA3094B	LO46	L	O	A	RC				
CA3094B	LO47	L	O	A	RC				
CA3095	LI12	L	I	A	RC				
CA3096	LI13	L	I	A	RC			(LM3118)	
CA3096A	LI13	L	I	A	RC				
CA3097	LI14	L	I	A	RC				
CA3099	LC4	L	C	A	RC				
CA3100	LO4	L	O	A	RC			LM118	
CA3100	LO18	L	O	A	RC			LM118	
CA3100	LO3	L	O	A	RC			LM118	
CA3102	LO40	L	O	A	RC			(LM3054)	
CA3118	LI1	L	I	A	RC			(µA3018) (3018)	LM3118
CA3118A	LI1	L	I	A	RC			(µA3018)	(3018)
CA3120	LR26	L	R	A	RC			LM1845	
CA3121	LR27	L	R	A	RC				
CA3123	LR28	L	R	A	RC			LM1820	
CA3125	LR29	L	R	A	RC			(LM746)	
CA3126	LR30	L	R	A	RC			LM1829	
CA3127	LI17	L	I	A	RC			(LM3018)	
CA3128	LR31	L	R	A	RC			LM1829	
CA3128	LR31	L	R	A	RC			(LM1829)	
CA3130	LO18	L	O	A	RC			(LF356)	
CA3130	LO3	L	O	A	RC			(LF356)	
CA3130A	LO18	L	O	A	RC				
CA3130A	LO3	L	O	A	RC				
CA3130B	LO18	L	O	A	RC				
CA3130B	LO3	L	O	A	RC				
CA3131	LA3	L	A	A	RC			(LM384)	
CA3132	LA3	L	A	A	RC			(LM384)	
CA3134	LR32	L	R	A	RC				
CA3146	LI6	L	I	A	RC			(µA3046) (3046)	LM3146
CA3146A	LI6	L	I	A	RC			(µA3046)	(3046)
CA3183	LI9	L	I	A	RC			LM3183	
CA3183A	LI9	L	I	A	RC				
CA3401	LO48	L	O	A	RC			MC3401	
CA3600	LI16	L	I	A	RC				
CA3724G	LI15	L	I	A	RC			FPQ3724 DH3724	MPQ3724 SP3724

type	fig	1	2	3	4	europe	europe	america	america
CA3725G	LI15	L	I	A	RC			FPQ3725 DH3725	MPQ3725 SP3724
CA6078A	LO42	L	O	A	RC				
CA6078A	LO43	L	O	A	RC				
CA6741	LO23	L	O	A	RC			µA741	741
CA6741	LO1	L	O	A	RC			µA741	741
CA75361A	IM1	I	M	A	RC			SN75361A	
DH0006C	IH1	I	H	A	NS			NH0006C	
DH0006C	IH2	I	H	A	NS			NH0006C	
DH0008C	IH3	I	H	A	NS			NH0008C	
DH0008C	IH4	I	H	A	NS			NH0008C	
DH0011C	IH5	I	H	A	NS			NH0011C SH2002	SH2002P
DH0011C	IH5	I	H	A	NS			NH0011C SH2002	SH2002P
DH0016C	IH5	I	H	A	NS			NH0016C	
DH0017C	IH5	I	H	A	NS			NH0017C	SH2200P
DH0018C	IH5	I	H	A	NS			NH0018C	
DH0028C	IX1	I	X	A	NS			NH0028C	
DH0028C	IX2	I	X	A	NS			NH0028C	
DH0034C	IX3	I	X	A	NS				
DH0034C	IX4	I	X	A	NS				
DH0035C	IX5	I	X	A	NS				
DH3467C	IM2	I	M	A	NS				
DH3467C	IM2	I	M	A	NS				
DH3725C	IM3	I	M	A	NS				
DH3725C	IM3	I	M	A	NS				
DM88L12Φ	IJ1	I	J	A	NS			DS88L12Φ	
DM88L12Φ	IJ1	I	J	A	NS			DS88L12Φ	
DM7406				A	NS				
DM7406				A	NS				
DM7407				A	NS				
DM7407				A	NS				
DM7416				A	NS				
DM7416				A	NS				
DM7417				A	NS				
DM7417				A	NS				
DM7426				A	NS				

type	fig	1	2	3	4	europe	europe	america	america
DM7426				A	NS				
DM7441A				A	NS				
DM7445				A	NS				
DM7446A				A	NS				
DM7446A				A	NS				
DM7447A				A	NS				
DM7448				A	NS				
DM7448				A	NS				
DM8800 Φ	IJ2	I	J	A	NS			DS8800 Φ	
DM8802 Φ	IJ3	I	L	A	NS			DS8802 Φ	
DM8802 Φ	IJ3	I	L	A	NS			DS8802 Φ	
DM8806 Φ	IJ4	I	L	A	NS			DS8806 Φ	
DM8806 Φ	IJ4	I	L	A	NS			DS8806 Φ	
DM8810 Φ	IJ5	I	J	A	NS			DS8810 Φ	
DM8810 Φ	IJ5	I	J	A	NS			DS8810 Φ	
DM8811 Φ	IJ6	I	J	A	NS			DS8811 Φ	
DM8811 Φ	IJ6	I	J	A	NS			DS8811 Φ	
DM8812 Φ	IJ7	I	J	A	NS			DS8812 Φ	
DM8812 Φ	IJ7	I	J	A	NS			DS8812 Φ	
DM8819 Φ	IJ8	I	J	A	NS			SN75182 DS8819 Φ	
DM8819 Φ	IJ8	I	J	A	NS			SN75182 DS8819	
DM8820 Φ	IR2	I	R	A	NS			9615	DS8820 Φ
DM8820 Φ	IR2	I	R	A	NS			9615	DS8820 Φ
DM8820 Φ	IR2	I	R	A	S			9615	DS8820 Φ
DM8820 Φ	IR2	I	R	A	S			9615	DS8820 Φ
DM8820A Φ	IR2	I	R	A	NS			9615	DS8820A Φ
DM8820A Φ	IR2	I	R	A	NS			9615	DS8820A Φ
DM8822 Φ	IR3	I	R	A	NS			9617	DS8822 Φ
DM8822 Φ	IR3	I	R	A	NS			9617	DS8822 Φ
DM8830 Φ	IT2	I	T	A	NS			SN75183 DS8830 Φ	9614
DM8830 Φ	IT2	I	T	A	NS			SN75183 DS8830 Φ	9614
DM8830 Φ	IT2	I	T	A	S			SN75183 DS8830 Φ	9614
DM8830 Φ	IT2	I	T	A	S			SN75183 DS8830 Φ	9614

type	fig	1	2	3	4	europe	europe	america	america
DM8831 Φ	IT3	I	T	A	NS			9614	DS8831 Φ
DM8831 Φ	IT3	I	T	A	NS			9614	DS8831 Φ
DM8832 Φ	IT3	I	T	A	NS			9614	DS8832 Φ
DM8832 Φ	IT3	I	T	A	NS			9614	DS8832 Φ
DM8833 Φ	IN1	I	N	A	NS			DS8833 Φ	
DM8834 Φ	IN3	I	N	A	NS			DS8834 Φ	
DM8835 Φ	IN2	I	N	A	NS			DS8835 Φ	
DM8836 Φ	IR4	I	R	A	NS			DS8836 Φ	
DM8836 Φ	IR4	I	R	A	NS			DS8836 Φ	
DM8837 Φ	IR5	I	R	A	NS			DS8837 Φ	
DM8837 Φ	IR5	I	R	A	NS			DS8837 Φ	
DM8838 Φ	IR6	I	N	A	NS			DS8838 Φ	
DM8838 Φ	IR6	I	N	A	NS			DS8838 Φ	
DM8839 Φ	IN4	I	N	A	NS			DS8839 Φ	
DM8856 Φ				A	NS			DS8856 Φ	
DM8857 Φ				A	NS			DS8857 Φ	
DM8858 Φ				A	NS			DS8858 Φ	
DM8859 Φ				A	NS			DS8859 Φ	
DM8861 Φ	II1	I	I	A	NS			DS8861 Φ	
DM8864 Φ	II2	I	I	A	NS			DS8864 Φ	
DM8865 Φ	II3	I	I	A	NS			DS8865 Φ	
DM8866 Φ	II4	I	I	A	NS			DS8866 Φ	
DM8869 Φ				A	NS			DS8869 Φ	
DM8880 Φ				A	NS			DS8880 Φ	
DM8880 Φ				A	S			DS8880 Φ	
DM8884 Φ				A	NS			DS8884 Φ	
DM8885 Φ				A	NS			DS8885 Φ	
DM8887 Φ				A	NS			DS8887 Φ	
DM8889 Φ				A	NS			DS8889 Φ	
DM8897 Φ				A	NS			DS8897 Φ	
DM74141 Φ				A	NS				
DM74145 Φ				A	NS				
DM75491 Φ	II6	I	I	A	NS			DS75491 Φ	
DM75491 Φ	II6	I	I	A	NS			DS75491 Φ	
DM75492 Φ	II7	I	I	A	NS			DS75492 Φ	
DM75492 Φ	II7	I	I	A	NS			DS75492 Φ	

type	fig	1	2	3	4	europe	europe	america	america
DM75493 Φ	II8	I	I	A	NS			DS75493 Φ	
DM75493 Φ	II8	I	I	A	NS			DS75493 Φ	
DM75494 Φ	II9	I	I	A	NS			DS75494 Φ	
DM75494 Φ	II9	I	I	A	NS			DS75494 Φ	
DS88L12	IJ1	I	J	A	NS			DM88L12 Φ	
DS88L12	IJ1	I	J	A	NS			DM88L12 Φ	
DS88LS20	IR2	I	R	A	NS				
DS88LS20	IR2	I	R	A	NS				
DS0025C	IM4	I	M	A	NS			MH0025C Φ	
DS0025C	IM5	I	M	A	NS			MH0025C Φ	
DS0026C	IM6	I	M	A	NS			MH0026C Φ	
DS0026C	IM4	I	M	A	NS			MH0026C Φ	
DS0026C	IM8	I	M	A	NS			MH0026C Φ	
DS0026C	IM5	I	M	A	NS			MH0026C Φ	
DS0056C	IM10	I	M	A	NS				
DS0056C	IM11	I	M	A	NS				
DS0056C	IM12	I	M	A	NS				
DS0056C	IM13	I	M	A	NS				
DS1488	IT1	I	T	A	NS			LM1488 Φ	
DS1489	IR1	I	R	A	NS			LM1489 Φ	
DS1489A	IR1	I	R	A	NS			LM1489A Φ	
DS3603	IR7	I	R	A	NS			LM363 Φ	
DS3603	IR7	I	R	A	NS			LM363 Φ	
DS3604	IR7	I	R	A	NS				
DS3604	IR7	I	R	A	NS				
DS3605	IS2	I	S	A	NS			LM365 Φ	
DS3605	IS2	I	S	A	NS			LM365 Φ	
DS3606	IS2	I	S	A	NS			LM366 Φ	
DS3606	IS2	I	S	A	NS			LM366 Φ	
DS3607	IS2	I	S	A	NS			LM367 Φ	
DS3607	IS2	I	S	A	NS			LM367 Φ	
DS3608	IS2	I	S	A	NS			LM368 Φ	
DS3608	IS2	I	S	A	NS			LM368 Φ	
DS3611	IP5	I	P	A	NS			LM3611 Φ	
DS3611	IP1	I	P	A	NS			LM3611 Φ	
DS3612	IP6	I	P	A	NS			LM3612 Φ	

type	fig	1	2	3	4	europe	europe	america	america
DS3612	IP2	I	P	A	NS			LM3612 Φ	
DS3613	IP7	I	P	A	NS			LM3613 Φ	
DS3613	IP3	I	P	A	NS			LM3613 Φ	
DS3614	IP8	I	P	A	NS			LM3614 Φ	
DS3614	IP4	I	P	A	NS			LM3614 Φ	
DS3625	IS3	I	S	A	NS			LM3625 Φ	
DS3629	IM7	I	M	A	NS				
DS3629	IM9	I	M	A	NS				
DS3630	IJ9	I	J	A	NS				
DS3630	IJ9	I	J	A	NS				
DS3631	IP9	I	P	A	NS				
DS3631	IP11	I	P	A	NS				
DS3631	IP9	I	P	A	NS				
DS3632	IP12	I	P	A	NS				
DS3632	IP14	I	P	A	NS				
DS3632	IJ12	I	P	A	NS				
DS3633	IP15	I	P	A	NS				
DS3633	IP14	I	P	A	NS				
DS3633	IP15	I	P	A	NS				
DS3634	IP18	I	P	A	NS				
DS3634	IP20	I	P	A	NS				
DS3634	IP18	I	P	A	NS				
DS3640	IM14	I	M	A	NS				
DS3640	IM14	I	M	A	NS				
DS3642	IM15	I	M	A	NS				
DS3642	IM16	I	M	A	NS				
DS3642	IM17	I	M	A	NS				
DS3643	IM18	I	M	A	NS				
DS3643	IM18	I	M	A	NS				
DS3644	IM19	I	M	A	NS				
DS3644	IM19	I	M	A	NS				
DS3645				A	NS				
DS3646				A	NS				
DS3647				A	NS				
DS3648				A	NS				
DS3649	IM20	I	M	A	NS				
	IM20	I	M	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
DS3650	IR8	I	R	A	NS				
DS3650	IR8	I	R	A	NS				
DS3651	IR8	I	S	A	NS				
DS3651	IR8	I	S	A	NS				
DS3652	IR8	I	R	A	NS				
DS3652	IR8	I	R	A	NS				
DS3653	IR8	I	S	A	NS				
DS3653	IR8	I	S	A	NS				
DS3660	LP10	L	P	A	NS				
DS3661	LP13	L	P	A	NS				
DS3670	IM14	I	M	A	NS				
DS3670	IM14	I	M	A	NS				
DS3671	IM11	I	M	A	NS				
DS3671	IM12	I	M	A	NS				
DS3671	IM13	I	M	A	NS				
DS3672	IM15	I	M	A	NS				
DS3672	IM16	I	M	A	NS				
DS3672	IM17	I	M	A	NS				
DS3673	IM18	I	M	A	NS				
DS3673	IM18	I	M	A	NS				
DS3674	IM19	I	M	A	NS				
DS3674	IM19	I	M	A	NS				
DS3675				A	NS				
DS3676				A	NS				
DS3677				A	NS				
DS3678				A	NS				
DS3679	IM20	I	M	A	NS				
DS3679	IM20	I	M	A	NS				
DS3686	IP12	I	V	A	NS				
DS3686	IP14	I	V	A	NS				
DS3686	IP12	I	V	A	NS				
DS3687	IP16	I	P	A	NS				
DS3687	IP19	I	P	A	NS				
DS3687	IP16	I	P	A	NS				
DS3688	IT4	I	T	A	NS				
DS3688	IT4	I	T	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
DS3689	IR9	I	R	A	NS				
DS3689	IR9	I	R	A	NS				
DS3690	IR10	I	R	A	NS				
DS3690	IR10	I	R	A	NS				
DS7520	IS4	I	S	A	NS			SN7520	LM7520 Φ
DS7520	IS4	I	S	A	NS			SN7520	LM7520 Φ
DS7520A	IS4	I	S	A	NS			SN7520A	LM7520A Φ
DS7520A	IS4	I	S	A	NS			SN7520A	LM7520A Φ
DS7521	IS4	I	S	A	NS			SN7521	LM7521 Φ
DS7521	IS4	I	S	A	NS			SN7521	LM7521 Φ
DS7522	IS5	I	S	A	NS			SN7522	LM7522 Φ
DS7522	IS5	I	S	A	NS			SN7522	LM7522 Φ
DS7522A	IS5	I	S	A	NS			SN7522A	
DS7522A	IS5	I	S	A	NS			SN7522A	
DS7523	IS5	I	S	A	NS			SN7523	LM7523 Φ
DS7523	IS5	I	S	A	NS			SN7523	LM7523 Φ
DS7524	IS6 IS6	I I	S S	A A	NS NS			SN7524 LM7524 Φ	7524 C
DS7524A	IS6	I	S	A	NS				
DS7524A	IS6	I	S	A	NS				
DS7525	IS6	I	S	A	NS			SN7525 LM7525 Φ	7525 C
DS7525	IS6	I	S	A	NS			SN7525 LM7525	7525 C
DS7528	IS7 IS7	I I	S S	A A	NS NS			SN7528 LM7528 Φ	7528 C
DS7528A	IS7	I	S	A	NS				
DS7528A	IS7	I	S	A	NS				
DS7529	IS7	I	S	A	NS			SN7529 LM7529 Φ	7529 C
DS7529	IS7	I	S	A	NS			SN7529 LM7529 Φ	7529 C
DS7534	IS8 IS8	I I	S S	A A	NS NS			SN7534 LM7534 Φ	7534 C
DS7534A	IS8	I	S	A	NS				
DS7534A	IS8	I	S	A	NS				
DS7535	IS8	I	S	A	NS			SN7535 LM7535 Φ	7535 C
DS7535	IS8	I	S	A	NS			SN7535 LM7535 Φ	7535 C
DS7538	IS9	I	S	A	NS			SN7538	7538 C

type	fig	1	2	3	4	europe	europe	america	america
DS7538	IS9	I	S	A	NS			LM7538 Φ	
DS7538	IS9	I	S	A	NS			SN7538 LM7538 Φ	7538 C
DS7538A	IS9	I	S	A	NS				
DS7538A	IS9	I	S	A	NS				
DS7539	IS9	I	S	A	NS			SN7539 LM7539 Φ	7539 C
DS7539	IS9	I	S	A	NS			SN7539 LM7539 Φ	7539 C
DS8096	IM20	I	M	A	NS				
DS8096	IM20	I	M	A	NS				
DS8640	IR4	I	R	A	NS				
DS8640	IR4	I	R	A	NS				
DS8641	IN3	I	N	A	NS				
DS8641	IN3	I	N	A	NS				
DS8642	IN5	I	N	A	NS				
DS8642	IN5	I	N	A	NS				
DS8650	II5	I	I	A	NS				
DS8651	II10	I	I	A	NS				
DS8654				A	NS				
DS8655				A	NS				
DS8656				A	NS				
DS8658	II11	I	I	A	NS				
DS8659	II10	I	I	A	NS				
DS8673				A	NS				
DS8674				A	NS				
DS8692	IV1	I	V	A	NS				
DS8693	IV2	I	V	A	NS				
DS8694	IV3	I	V	A	NS				
DS8800	IJ2	I	J	A	NS			DM8800 Φ	
DS8802	IJ3	I	J	A	NS			DM8802 Φ	
DS8802	IJ3	I	J	A	NS			DM8802 Φ	
DS8803	IM21 IM21	I I	M M	A A	NS NS			MH8803 Φ MH8803 Φ	
DS8806	IJ4	I	J	A	NS			DM8806 Φ	
DS8806	IJ4	I	J	A	NS			DM8806 Φ	
DS8807	IM21	I	M	A	NS			MH8807 Φ	
DS8807	IM21	I	M	A	NS			MH8807 Φ	

type	fig	1	2	3	4	europe	europe	america	america
DS8810	IJ5	I	J	A	NS			DM8810 Φ	
DS8810	IJ5	I	J	A	NS			DM8810 Φ	
DS8811	IJ6 IJ6	I I	J J	A A	NS NS			DM8811 Φ DM8811 Φ	
DS8812	IJ7	I	J	A	NS			DM8812 Φ	
DS8812	IJ7	I	J	A	NS			DM8812 Φ	
DS8813	IM22	I	M	A	NS				
DS8817	IM22	I	M	A	NS				
DS8819	IJ8 IJ8	I I	J J	A A	NS NS			DM8819 Φ DM8819 Φ	
DS8820	IR2 IR2	I I	R R	A A	NS NS			DM8820 Φ DM8820 Φ	
DS8820A	IR2 IR2	I I	R R	A A	NS NS			DM8820A Φ DM8820A Φ	
DS8822	IR3	I	R	A	NS			DM8822 Φ	
DS8830	IT2	I	T	A	NS			DM8830 Φ	
DS8830	IT2	I	T	A	NS			DM8830Φ	
DS8831	IT3	I	T	A	NS			DM8831Φ	
DS8831	IT3	I	T	A	NS			DM8831 Φ	
DS8832	IT3	I	T	A	NS			DM8832 Φ	
DS8832	IT3	I	T	A	NS			DM8832 Φ	
DS8833	IN1	I	N	A	NS			DM8833 Φ	
DS8833	IN1	I	N	A	NS			DM8833 Φ	
DS8834	IN3	I	N	A	NS			DM8834 Φ	
DS8834	IN3	I	N	A	NS			DM8834 Φ	
DS8835	IN2	I	N	A	NS			DM8835 Φ	
DS8835	IN2	I	N	A	NS			DM8835 Φ	
DS8836	IR4 IR4	I I	R R	A A	NS NS			DM8836 Φ DM8836 Φ	
DS8837	IR5 IR5	I I	R R	A A	NS NS			DM8837 Φ DM8837 Φ	
DS8838	IR6 IR6	I I	N N	A A	NS NS			DM8838 Φ DM8838 Φ	
DS8839	IN4	I	N	A	NS			DM8839 Φ	
DS8839	IN4	I	N	A	NS			DM8839 Φ	
DS8844	II12	I	I	A	NS				
DS8855	II13	I	I	A	NS				
DS8856				A	NS			DM8856 Φ	
DS8857				A	NS			DM8857 Φ	
DS8858				A	NS			DM8858 Φ	

type	fig	1	2	3	4	europe	europe	america	america
DS8859				A	NS			DM8859 Φ	
DS8861	II1	I	I	A	NS			DM8861 Φ	
DS8863	II4	I	I	A	NS				
DS8864	II2	I	I	A	NS			DM8864 Φ	
DS8865	II3	I	I	A	NS			DM8865 Φ	
DS8866	II4	I	I	A	NS			DM8866 Φ	
DS8867	II15	L	I	A	NS				
DS8868				A	NS				
DS8869				A	NS			DM8869 Φ	
DS8870	II7	I	I	A	NS				
DS8870	II7	I	I	A	NS				
DS8871	II3	I	I	A	NS				
DS8872	II13	I	I	A	NS				
DS8873	II2	I	I	A	NS				
DS8874				A	NS				
DS8876				A	NS				
DS8877	II7 II7	I I	I I	A A	NS NS			DS75492 DS75492	
DS8879				A	NS				
DS8880				A	NS			DM8880 Φ	
DS8884A				A	NS			DM8884A Φ	
DS8885				A	NS			DM8885 Φ	
DS8887	II16	I	I	A	NS			DM8887 Φ	
DS8887	II16	I	I	A	NS			DM8887 Φ	
DS8889	II17	I	I	A	NS			DM8889 Φ	
DS8889	II17	I	I	A	NS			DM8889 Φ	
DS8891	II18	I	I	A	NS				
DS8891	II18	I	I	A	NS				
DS8892	II19	I	I	A	NS				
DS8895	II20	I	I	A	NS				
DS8895	II20	I	I	A	NS				
DS8897	II16	I	I	A	NS			DM8897 Φ	
DS8897	II16	I	I	A	NS			DM8897 Φ	
DS8963	II14	I	I	A	NS				
DS8977	II4	I	I	A	NS				
DS36147				A	NS				
DS36149	IM20	I	M	A	NS				

---

type	fig	1	2	3	4	europe	europe	america	america
DS36149	IM20	I	M	A	NS				
DS36177				A	NS				
DS36179	IM20	I	M	A	NS				
DS36179	IM20	I	M	A	NS				
DS74366	IM20	I	M	A	NS				
DS74366	IM20	I	M	A	NS				
DS75107	IR11	I	R	A	NS			SN75107	LM75107 Φ
DS75107	IR11	I	R	A	NS			SN75107	LM75107 Φ
DS75108	IR11	I	R	A	NS			SN75108	LM75108 Φ
DS75108	IR11	I	R	A	NS			SN75108	LM75108 Φ
DS75109	IT5	I	T	A	NS			SN75109	LM75109 Φ
DS75109	IT5	I	T	A	NS			SN75109	LM75109 Φ
DS75110	IT5	I	T	A	NS			SN75110	LM75110 Φ
DS75110	IT5	I	T	A	NS			SN75110	LM75110 Φ
DS75121	IT6	I	T	A	NS			SN75121	LM75121 Φ
DS75121	IT6	I	T	A	NS			SN75121	LM75121 Φ
DS75122	IR12	I	R	A	NS			SN75122	LM75122 Φ
DS75122	IR12	I	R	A	NS			SN75122	LM75122 Φ
DS75123	IT6	I	T	A	NS			SN75123	LM75123 Φ
DS75123	IT6	I	T	A	NS			SN75123	LM75123 Φ
DS75124	IR12	I	T	A	NS			SN75124	LM75124 Φ
DS75124	IR12	I	T	A	NS			SN75124	LM75124 Φ
DS75150	IT7	I	T	A	NS			SN75150	LM75150 Φ
DS75150	IT8	I	T	A	NS			SN75150	LM75150 Φ
DS75154	IR13	I	R	A	NS			SN75154	LM75154 Φ
DS75154	IR13	I	R	A	NS			SN75154	LM75154 Φ
DS75207	IR11	I	R	A	NS			SN75207	LM75207 Φ
DS75207	IR11	I	R	A	NS			SN75207	LM75207 Φ
DS75208	IR11	I	R	A	NS			SN75208	LM75208 Φ
DS75208	IR11	I	R	A	NS			SN75208	LM75208 Φ
DS75324	IM7	I	M	A	NS			SN75324	LM75324 Φ
DS75324	IM9	I	M	A	NS			SN75324	LM75324 Φ
DS75325	IM23	I	M	A	NS			SN75325	LM75325 Φ
DS75325	IM23	I	M	A	NS			SN75325	LM75325 Φ
DS75361	IJ10	I	J	A	NS				
DS75361	IJ11	I	J	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
DS75362	IJ12	I	J	A	NS				
DS75362	IJ13	I	J	A	NS				
DS75364	IJ14	I	J	A	NS				
DS75364	IJ15	I	J	A	NS				
DS75365	IJ16	I	J	A	NS				
DS75365	IJ16	I	J	A	NS				
DS75450	IP21	I	P	A	NS			SN75450 MC75450 (75450A)	(μA75450A) LM75450 Φ
DS75450	IP21	I	P	A	NS			SN75450 MC75450 (75450A)	(μA75450A) LM75450 Φ
DS75451	IP5	I	P	A	NS			SN75451 LM75451 Φ (75451A)	(μA75451A) MC75451
DS75451	IP1	I	P	A	NS			SN75451 LM75451 Φ (75451A)	(μA75451A) MC75451
DS75452	IP6	I	P	A	NS			SN75452 MC75452 (75452A)	(μA75452A) LM75452 Φ
DS75452	IP2	I	P	A	NS			SN75452 MC75452 (75452A)	(μA75452A) LM75452 Φ
DS75453	IP7 IP3	I I	P P	A A	NS NS			SN75453 MC75453 (75453A)	(μA75453A) LM75453 Φ
DS75454	IP8	I	P	A	NS			SN75454 MC75454 (75454A)	(μA75454A) LM75454 Φ
	IP4	I	P	A	NS				
DS75460	IP21	I	P	A	NS				
DS75460	IP21	I	P	A	NS				
DS75461	IP5	I	P	A	NS				
DS75461	IP1	I	P	A	NS				
DS75462	IP6	I	P	A	NS				
DS75462	IP2	I	P	A	NS				
DS75463	IP7	I	P	A	NS				
DS75463	IP3	I	P	A	NS				
DS75464	IP8	I	P	A	NS				
DS75464	IP4	I	P	A	NS				
DS75491	II6	I	I	A	NS			DM75491 Φ	
DS75491	II6	I	I	A	NS			DM75491 Φ	
DS75492	II7	I	I	A	NS			DM75492 Φ	
DS75492	II7	I	I	A	NS			DM75492 Φ	

type	fig	1	2	3	4	europe	europe	america	america
DS75493	II8	I	I	A	NS			DM75493 Φ	
DS75493	II8	I	I	A	NS			DM75493 Φ	
DS75494	II9	I	I	A	NS			DM75494 Φ	
DS75494	II9	I	I	A	NS			DM75494 Φ	
HA 909	LO49	L	O	A	H				
HA 909	LO50	L	O	A	H				
HA 911	LO49	L	O	A	H				
HA 911	LO50	L	O	A	H				
HA 2000	LO51	L	O	A	H				
HA 2000A	LO51	L	O	A	H				
HA 2005	LO51	L	O	A	H				
HA 2005A	LO51	L	O	A	H				
HA 2050	LO52	L	O	A	H				
HA 2050A	LO52	L	O	A	H				
HA 2055	LO52	L	O	A	H				
HA 2055A	LO52	L	O	A	H				
HA 2060	LO52	L	O	A	H				
HA 2060A	LO52	L	O	A	H				
HA 2065	LO52	L	O	A	H				
HA 2065A	LO52	L	O	A	H				
HA 2101	LO3	L	O	A	H				
HA 2101	LO53	L	O	A	H				
HA 2101A	LO3	L	O	A	H				
HA 2101A	LO53	L	O	A	H				
HA 2107	LO17	L	O	A	H				
HA 2107	LO54	L	O	A	H				
HA 2107-3	LO17	L	O	A	H				
HA 2107-3	LO54	L	O	A	H				
HA 2201A	LO3	L	O	A	H				
HA 2201A	LO53	L	O	A	H				
HA 2211	LC6	L	C	A	H				
HA 2211	LC2	L	C	A	H				
HA 2207	LO17	L	O	A	H				
HA 2207	LO54	L	O	A	H				
HA 2211	LC6	L	C	A	H				
HA 2211	LC2	L	C	A	H				

type	fig	1	2	3	4	europe	europe	america	america
HA 2301A	LO3	L	O	A	H				
HA 2301A	LO53	L	O	A	H				
HA 2307	LO17	L	O	A	H				
HA 2307	LO54	L	O	A	H				
HA 2311	LC6	L	C	A	H				
HA 2311	LC2	L	C	A	H				
HA 2400	LO55	L	O	A	H				
HA 2404	LO55	L	O	A	H				
HA 2405	LO55	L	O	A	H				
HA 2420	LH1	L	H	A	H				
HA 2425	LH1	L	H	A	H				
HA 2500	LO56	L	O	A	H				
HA 2500	LO57	L	O	A	H				
HA 2502	LO56	L	O	A	H				
HA 2502	LO57	L	O	A	H				
HA 2505	LO56	L	O	A	H				
HA 2505	LO57	L	O	A	H				
HA 2510	LO56	L	O	A	H				
HA 2510	LO57	L	O	A	H				
HA 2512	LO56	L	O	A	H				
HA 2512	LO57	L	O	A	H				
HA 2515	LO56	L	O	A	H				
HA 2515	LO57	L	O	A	H				
HA 2520	LO56	L	O	A	H				
HA 2520	LO57	L	O	A	H				
HA 2522	LO56	L	O	A	H				
HA 2522	LO57	L	O	A	H				
HA 2525	LO56	L	O	A	H				
HA 2525	LO57	L	O	A	H				
HA 2530	LO58	L	O	A	H				
HA 2535	LO58	L	O	A	H				
HA 2600	LO56	L	O	A	H				
HA 2600	LO59	L	O	A	H				
HA 2602	LO56	L	O	A	H				
HA 2602	LO59	L	O	A	H				
HA 2605	LO56	L	O	A	H				

type	fig	1	2	3	4	europe	europe	america	america
HA 2605	LO59	L	O	A	H				
HA 2620	LO60	L	O	A	H				
HA 2620	LO56	L	O	A	H				
HA 2622	LO60	L	O	A	H				
HA 2622	LO56	L	O	A	H				
HA 2625	LO60	L	O	A	H				
HA 2625	LO56	L	O	A	H				
HA 2630	LO61	L	O	A	H				
HA 2635	LO61	L	O	A	H				
HA 2640	LO1	L	O	A	H				
HA 2645	LO1	L	O	A	H				
HA 2650	LO62	L	O	A	H				
HA 2650	LO28	L	O	A	H				
HA 2655	LO62	L	O	A	H				
HA 2655	LO28	L	O	A	H				
HA 2700	LO64	L	O	A	H				
HA 2700	LO63	L	O	A	H				
HA 2704	LO64	L	O	A	H				
HA 2704	LO63	L	O	A	H				
HA 2705	LO64	L	O	A	H				
HA 2705	LO63	L	O	A	H				
HA 2720	LO65	L	O	A	H				
HA 2725	LO65	L	O	A	H				
HA 2730	LO66	L	O	A	H				
HA 2735	LO66	L	O	A	H				
HA 2800	LL1	L	L	A	H				
HA 2805	LL1	L	L	A	H				
HA 2820	LL2	L	L	A	H				
HA 2825	LL2	L	L	A	H				
HA 2900	LO67	L	O	A	H				
HA 2904	LO67	L	O	A	H				
HA 2905	LO67	L	O	A	H				
HA 4741	LO68	L	O	A	H				
HD 0165	LX6	I	X	A	H				
HD 245	IT9	I	T	A	H				
HD 245	IT9	I	T	A	H				

type	fig	1	2	3	4	europe	europe	america	america
HD 246	IR14	I	R	A	H				
HD 246	IR14	I	R	A	H				
HD 248	IR14	I	R	A	H				
HD 248	IR14	I	R	A	H				
HD 249	IR14	I	R	A	H				
HD 249	IR14	I	R	A	H				
HD 534	IJ1	I	T	A	H				
HD 535	IJ1	I	T	A	H				
HD 545	IT9	I	T	A	H				
HD 545	IT9	I	T	A	H				
HD 546	IR14	I	R	A	H				
HD 546	IR14	I	R	A	H				
HD 548	IR14	I	R	A	H				
HD 548	IR14	I	R	A	H				
HD 549	IR14	I	R	A	H				
HD 549	IR14	I	R	A	H				
HD 1488	IT1	I	T	A	H				
HD 1489	IR1	I	R	A	H				
HD 1489A	IR1	I	R	A	H				
HI 0180	IA1	I	A	A	H				
HI 0185	IA1	I	A	A	H				
HI 200-5	LS27	L	S	A	H				
HI 200-5	LS27	L	S	A	H				
HI 201-5	LS28	L	S	A	H				
HI 201-5	LS28	L	S	A	H				
HI 506A-5	LS29	L	S	A	H				
HI 507A-5	LS30	L	S	A	H				
HI 508A-5	LS31	L	S	A	H				
HI 509A-5	LS32	L	S	A	H				
HI 0910	ID2	I	D	A	H				
HI 01010	ID2	I	D	A	H				
HI 1080	ID4	I	D	A	H				
HI 1080	ID3	I	D	A	H				
HI 1085	ID4	I	D	A	H				
HI 1085	ID3	I	D	A	H				

type	fig	1	2	3	4	europe	europe	america	america
HI 1800A-5	LS33	L	S	A	H				
HI 1818A-5	LS34	L	S	A	H				
HI 1828A-5	LS35	L	S	A	H				
HI 5040-5	LS37	L	S	A	H				
HI 5040-5	LS36	L	S	A	H				
HI 5041-5	LS39	L	S	A	H				
HI 5041-5	LS38	L	S	A	H				
HI 5042-5	LS41	L	S	A	H				
HI 5042-5	LS40	L	S	A	H				
HI 5043-5	LS43	L	S	A	H				
HI 5043-5	LS42	L	S	A	H				
HI 5044-5	LS45	L	S	A	H				
HI 5044-5	LS44	L	S	A	H				
HI 5045-5	LS47	L	S	A	H				
HI 5045-5	LS46	L	S	A	H				
HI 5046-5	LS49	L	S	A	H				
HI 5046-5	LS48	L	S	A	H				
HI 5046A-5	LS49	L	S	A	H				
HI 5046A-5	LS48	L	S	A	H				
HI 5047-5	LS51	L	S	A	H				
HI 5047-5	LS50	L	S	A	H				
HI 5047A-5	LS51	L	S	A	H				
HI 5047A-5	LS50	L	S	A	H				
HI 5048-5	LS53	L	S	A	H				
HI 5048-5	LS52	L	S	A	H				
HI 5049-5	LS55	L	S	A	H				
HI 5049-5	LS54	L	S	A	H				
HI 5050-5	LS57	L	S	A	H				
HI 5050-5	LS56	L	S	A	H				
HI 5051-5	LS59	L	S	A	H				
HI 5051-5	LS58	L	S	A	H				
HS 1000	LS60	L	S	A	H				
L005	LV4	L	V	E	SG				
L025	LB1	L	B	E	SG				
L036	LV4	L	V	E	SG				
L037	LV4	L	V	E	SG				

type	fig	1	2	3	4	europe	europe	america	america
L045	LO3	L	O	E	SG				
L103	LR33	L	R	E	SG				
L115	LO69	L	O	E	SG				
L120	LZ2	L	Z	E	SG				
L121	L23	L	Z	E	SG				
L123	LV1	L	V	E	SG				
L123	LV2	L	V	E	SG				
L129	LV5	L	V	E	SG	TDA1405			
L130	LV5	L	V	E	SG	TDA1412			
L131	LV5	L	V	E	SG	TDA1415			
L141	LO70	L	O	E	SG				
L141	LO1	L	O	E	SG				
L147	LO25	L	O	E	SG				
L148	LO3	L	O	E	SG				
LF111	LC2	L	C	A	NS				
LF156	LO71	L	O	A	NS				
LF211	LC2	L	C	A	NS				
LF311	LC2	L	C	A	NS				
LF2650	LS28	L	S	A	NS				
LF3650	LS28	L	S	A	NS				
LF3650	LS28	L	S	A	NS				
LH0001AC	LO72	L	O	A	NS				
LH0001AC	LO73	L	O	A	NS				
LH0001AC	LO74	L	O	A	NS				
LH0001C	LO75	L	O	A	NS				
LH0002C	LO76	L	O	A	NS			(µA791C)	(791C)
LH0002C	LO77	L	O	A	NS			(µA791C)	(791C)
LH0003C	LO78	L	O	A	NS				
LH0004C	LO75	L	O	A	NS				
LH0005A	LO79	L	O	A	NS				
LH0005C	LO79	L	O	A	NS				
LH0020C	LO80	L	O	A	NS			(µA725C)	(725C)
LH0021C	LK1	L	K	A	NS			(µA791C)	(791C)
LH0022C	LO81	L	O	A	NS				
LH0022C	LO82	L	O	A	NS				
LH0022C	LO1	L	O	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LH0023C	LH2	L	H	A	NS				
LH0024C	LO83	L	O	A	NS				
LH0032C	LO84	L	O	A	NS				
LH0033C	LK4	L	K	A	NS				
LH0033C	LK5	L	K	A	NS				
LH0036C	LO85	L	O	A	NS				
LH0041C	LK2	L	K	A	NS			(µA791C)	(791C)
LH0041C	LK3	L	K	A	NS			(µA791C)	(791C)
LH0042C	LO81	L	O	A	NS			(µA740C)	(740C)
LH0042C	LO82	L	O	A	NS			(µA740C)	(740C)
LH0042C	LO1	L	O	A	NS			(µA740C)	(740C)
LH0043C	LH3	L	H	A	NS				
LH0045C	LX1	L	X	A	NS				
LH0045C	LX2	L	X	A	NS				
LH0052C	LO1	L	O	A	NS			(µA740 C)	(740 C)
LH0052C	LO81	L	O	A	NS			(µA740 C)	(740 C)
LH0053C	LH4	L	H	A	NS				
LH0061C	LO86	L	O	A	NS				
LH0062C	LO88	L	O	A	NS				
LH0062C	LO87	L	O	A	NS				
LH0063C	LK6	L	K	A	NS				
LH201	LO90	L	O	A	NS			MC1741	
LH201	LO17	L	O	A	NS			MC1741	
LH201	LO89	L	O	A	RY			MC1741	
LH201	LO90	L	O	A	RY			MC1741	
LH201	LO17	L	O	A	RY			MC1741	
LH201A	LO89	L	O	A	RY				
LH201A	LO90	L	O	A	RY				
LH201A	LO17	L	O	A	RY				
LH740AC	LO1	L	O	A	NS				
LH2101A	LO91	L	O	A	NS				
LH2108	LO92	L	O	A	NS				
LH2108	LO92	L	O	A	NS				
LH2108A	LO92	L	O	A	NS				
LH2110	LG1	L	G	A	NS				
LH2110	LG1	L	G	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LH2111	LC7	L	C	A	NS				
LH2111	LC7	L	C	A	NS				
LH2201A	LO91	L	O	A	NS			(µA201A)	(201A)
LH2201A	LO91	L	O	A	NS			(µA201A)	(201A)
LH2208	LO92	L	O	A	NS			(µA208)	(208)
LH2208	LO92	L	O	A	NS			(µA208)	(208)
LH2210	LG1	L	G	A	NS			(µA210)	(210)
LH2210	LG1	L	G	A	NS			(µA210)	(210)
LH2211	LC7	L	C	A	NS			(µA211)	(211)
LH2211	LC7	L	C	A	NS			(µA211)	(211)
LH2301A	LO91	L	O	A	NS			(µA301A)	(301A)
LH2301A	LO91	L	O	A	NS			(µA301A)	(301A)
LH2308	LO92	L	O	A	NS			(µA308)	(308)
LH2308	LO92	L	O	A	NS			(µA308)	(308)
LH2308A	LO92	L	O	A	NS				
LH2310	LG1	L	G	A	NS			(µA310)	(310)
LH2310	LG1	L	G	A	NS			(µA310)	(310)
LH2311	LC7	L	C	A	NS			(µA311)	(311)
LH2311	LC7	L	C	A	NS			(µA311)	(311)
LH24250	LO93	L	O	A	NS			(µA776C)	(776C)
LH24250	LO93	L	O	A	NS			(µA776C)	(776)
LH24250C	LO93	L	O	A	NS			(µA776C)	(776C)
LH24250C	LO93	L	O	A	NS			(µA776C)	(776C)
LM78L05	LO6	L	V	R	NS				
LM78L05	LV7	L	V	R	NS				
LM78L05AC	LV6	L	V	A	NS			78LO5AC	
LM78LO5AC	LV7	L	V	A	NS			78LO5AC	
LM78LO5C	LV6	L	V	A	NS			µA78L05C	78L05C
LM78L08	LV6	L	V	A	NS				
LM78L08	LV7	L	V	A	NS				
LM78LO8AC	LV6	L	V	A	NS				
LM78LO8AC	LV7	L	V	A	NS				
LM78LO8C	LV6	L	V	A	NS			µA78L08C	
LM78LO8C	LV7	L	V	A	NS			µA78L08C	
LM78L12	LV6	L	V	A	NS				
LM78L12	LV7	L	V	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LM78L12AC	LV6	L	V	A	NS			78L12AC	
LM78L12AC	LV7	L	V	A	NS			78L12AC	
LM78L12C	LV6	L	V	A	NS			µA78L12 C	78L12C
LM78L12C	LV7	L	V	A	NS			µA 78L12 C	78L12C
LM78L15	LV6	L	V	A	NS				
LM78L15	LV7	L	V	A	NS				
LM78L15AC	LV6	L	V	A	NS			78L15AC	
LM78L15AC	LV7	L	V	A	NS			78L15AC	
LM78L18	LV6	L	V	A	NS				
LM78L18	LV7	L	V	A	NS				
LM78L18 AC	LV6	L	V	A	NS				
LM78L18AC	LV7	L	V	A	NS				
LM78L18C	LV6	L	V	A	NS			µA78L18C	
LM78L18C	LV7	L	V	A	NS			µA78L18C	
LM78L24	LV6	L	V	A	NS				
LM78L24	LV7	L	V	A	NS				
LM78L24AC	LV6	L	V	A	NS				
LM78L24AC	LV7	L	V	A	NS				
LM78L24C	LV6	L	V	A	NS			µA78L24C	
LM78L24C	LV7	L	V	A	NS			µA78L24C	
LM200	LV8	L	V	A	NS			(SN52105) (MC1723C)	(µA723C) (723C)
LM200	LV9	L	V	A	NS			(SN52105) (MC1723C)	(µA723C) (723C)
LM201	LO2	L	O	A	NS			SN52101A) MC1748C	µA201 201
LM201	LO3	L	O	A	NS			SN52101A MC1748C	µA201 201
LM201	LO89	L	O	A	S			(SN52101A) MC1748C	µA201 201
LM201	LO3	L	O	A	S			(SN52101A) MC1748C	µA201 201
LM201	LO2	L	O	A	S			(SN52101A) MC1748C	µA201 201
LM201	LO4	L	O	A	S			(SN52101A) MC1748C	µA201 201
LM201	LO94	L	O	A	RY			(SN52101A) MC1748C	µA201 201
LM201	LO2	L	O	A	RY			(SN52101A) MC1748C	µA201 201
LM201	LO3	L	O	A	RY			(SN52101A) MC1748C	µA201

type	fig	1	2	3	4	europe	europe	america	america
LM201	LO4	L	O	A	RY			(SN52101A) (MC1748C)	μA201 201
LM201	LO94	L	O	A	FC			(SN52101A) MC1784C	μA201 201
LM201	LO3	L	O	A	FC			(SN52101A) MC1784C	μA201 201
LM201A	LO2	L	O	A	NS			(SN52101A)	MLM201A
LM201A	LO3	L	O	A	NS			(SN52101A)	MLM201A
LM201A	LO94	L	O	A	NS			(SN52101A)	MLM201A
LM201A	LO94	L	O	A	S			(SN52101A)	MLM201A
LM201A	LO3	L	O	A	S			(SN52101A)	MLM201A
LM201A	LO4	L	O	A	S			(SN52101A)	MLM201A
LM201A	LO4	L	O	A	TS			(SN52101A)	MLM201A
LM201A	LO3	L	O	A	TS			(SN52101A)	MLM201A
LM201A	LO94	L	O	A	TS			(SN52101A)	MLM201A
LM201A	LO94	L	O	A	FC			(SN52101A)	MLM201A
LM201A	LO3	L	O	A	FC			(SN52101A)	MLM201A
LM201A	LO2	L	O	A	FC			(SN52101A)	MLM201A
LM201A	LO94	L	O	A	RY			(SN52101A)	MLM201A
LM201A	LO4	L	O	A	RY			(SN52101A)	MLM201A
LM201A	LO3	L	O	A	RY			(SN52101A)	MLM201A
LM202	LG2	L	G	A	NS			(SN52110) MLM210	μA202 202
LM204	LV10	L	V	A	NS			(SN52104) MLM204	μA204 204
LM204	LV11	L	V	A	NS			(SN52104) MLM204	μA204 204
LM204	LV11	L	V	A	TS			(SN52104) MLM204	μA204 204
LM204	LV10	L	V	A	RY			(SN52104) 204	μA204
LM204	LV11	L	V	A	RY			(SN52104) 204	μA204
LM205	LV12	L	V	A	NS			(SN52105) MLM205	μA205 205
LM205	LV12	L	V	A	RY			(SN52105) MLM205	μA205 205
LM205	LV13	L	V	A	RY			(SN52105) MLM205	μA205 205
LM206	LC8	L	C	A	NS			(SN52106) (MC1710C)	(μA710C) (710C)
LM206	LC9	L	C	A	NS			(SN52106 (MC1710C)	(μA710C) (710C)

type	fig	1	2	3	4	europe	europe	america	america
LM207	LO95	L	O	A	NS			(SN52107) MLM207	μA207
LM207	LO54	L	O	A	NS			(SN52107) MLM207	μA207
LM207	LO17	L	O	A	NS			(SN52107) MLM207	μA207
LM207	LO17	L	O	A	S			(SN52107) MLM207	μA207
LM207	LO22	L	O	A	S			(SN52107) MLM207	μA207
LM207	LO54	L	O	A	TS			(SN52107) MLM207	μA207
LM207	LO17	L	O	A	TS			(SN52107) MLM207	μA207
LM207	LO95	L	O	A	TS			(SN52107 MLM207	μA207
LM207	LO17	L	O	A	FC			(SN52107) MLM207	μA207
LM207	LO95	L	O	A	RY			(SN52107) MLM207	μA207
LM207	LO54	L	O	A	RY			(SN52107) MLM207	μA207
LM207	LO17	L	O	A	RY			(SN52107) MLM207	μA207
LM208	LO97	L	O	A	NS			(SN52108) (MC1456)	μA208 208
LM208	LO96	L	O	A	NS			(SN52108) (MC1456)	μA208 208
LM208	LO5	L	O	A	NS			(SN52108) (MC1456)	μA208 208
LM208	LO96	L	O	A	S			(SN52108) 208	μA208
LM208	LO5	L	O	A	S			(SN52108) 208	μA208
LM208	LO97	L	O	A	RY			(SN52108) (MC1456)	μA208
LM208	LO96	L	O	A	RY			(SN52108) (MC1456)	μA208
LM208	LO5	L	O	A	RY			(SN52108) (MC1456)	μA208
LM208	LO97	L	O	A	FC			(SN52108) (MC1456)	μA208 208
LM208	LO96	L	O	A	FC			(SN52108) (MC1456)	μA208 208
LM208	LO5	L	O	A	FC			(SN52108) (MC1 456)	μA208 208
LM208A	LO96	L	O	A	NS			(SN52108A) 208A	μA208A

type	fig	1	2	3	4	europe	europe	america	america
LM208A	LO5	L	O	A	NS			(SN52108A)	µA208A
LM208A	LO96	L	O	A	S			(SN52108A)	µA208A
LM208A	LO5	L	O	A	S			(SN52108A) 208A	µA208A
LM208A	LO97	L	O	A	RY			(SN52108A) 208A	µA208A
LM208A	LO96	L	O	A	RY			(SN52108A) 208A	µA208A
LM208A	LO5	L	O	A	RY			(SN52108A) 208A	µA208A
LM208A	LO97	L	O	A	FC			(SN52108A 208A	µA208A
LM208A	LO96	L	O	A	FC			(SN52108A) 208A	µA208A
LM208A	LO5	L	O	A	FC			(SN52108A) 208A	µA208A
LM209	LV6	L	V	A	NS			(SN52109) MLM209	µA209 209
LM209	LV4	L	V	A	NS			(SN52109 MLM209	µA209 209
LM209	LV4	L	V	A	S			(SN52109) MLM209	µA209
LM209	LV6	L	V	A	S			(SN52109) MLM209	µA209
LM209	LV4	L	V	A	RY			(SN52109) MLM209	µA209 209
LM209	LV6	L	V	A	RY			(SN52109) MlM209	µA209 209
LM209	LV4	L	V	A	FC			(SN52109) MLM209	µA209 209
LM210	LG3	L	G	A	NS			(SN52110) MLM210	µA210 210
LM210	LG4	L	G	A	NS			(SN52110) MLM210	µA210 210
LM210	LG2	L	G	A	NS			(SN52110) MLM210	µA210 210
LM211	LC6	L	C	A	NS			(SN52111) MLM211	µA211 HA2-2211-4
LM211	LC10	L	C	A	NS			(SN52111) MLM211	µA211 HA2-2211-4
LM211	LC2	L	C	A	NS			(SN52111) MLM211	µA211 HA2-2211-4
LM211	LC6	L	C	A	S			(SN52111) MLM211	µA211 HA2-2211-4
LM211	LC2	L	C	A	S			(SN52111) MLM211	µA211 HA2-2211-4
LM211	LC2	L	C	A	FC			(SN52111) MLM211	µA211 HA2-2211-4

type	fig	1	2	3	4	europe	europe	america	america
LM211	LC10	L	C	A	TS			(SN52111) MLM211	µ A211 HA2-2211-4
LM211	LC2	L	C	A	TS			(SN52111) MLM211	µA211 HA2-2211-4
LM211	LC6	L	C	A	TS			(SN5211) MLM211	µ A211 HA2-2211-4
LM212	LO99	L	O	A	NS			(SN52108)	(MC1456)
LM212	LO100	L	O	A	NS			(SN52108)	(MC1456)
LM212	LO101	L	O	A	NS			(SN52108)	(MC1456)
LM212	LO99	L	O	A	RY			(SN52108)	(MC1456)
LM212	LO100	L	O	A	RY			(SN52108)	(MC1456)
LM212	LO101	L	O	A	RY			(SN52108)	(MC1456)
LM216	LO103	L	O	A	NS			(µA740)	(740)
LM216	LO104	L	O	A	NS			(µA740)	(740)
LM216	LO105	L	O	A	NS			(µA740)	(740)
LM216	LO103	L	O	A	RY			(µA740)	(740)
LM216	LO105	L	O	A	RY			(µA740)	(740)
LM216A	LO103	L	O	A	NS			(µ740)	(740)
LM216A	LO105	L	O	A	NS			(µ740)	(740)
LM218	LO106	L	O	A	NS			(SN52118) (MC1439) (772)	(µA772) (HA2-2522-2
LM218	LO107	L	O	A	NS			(SN52118) (MC1439) (772)	(µA772) (HA2-2522-2
LM218	LO10	L	O	A	NS			(SN52118) (MC1439) (772)	(µA772) (HA2-2522-2
LM218	LO106	L	O	A	RY			(SN52118) (MC1439) (772)	(µA772) HA2-2522-2
LM218	LO107	L	O	A	RY			(SN52118) (MC1439) (772)	(µA772) HA2-2522-2
LM218	LO10	L	O	A	RY			(SN52118) (MC1439) (772)	(µA772) HA2-2522-2
LM219	LC12	L	C	A	NS			(µA760)	(760)
LM219	LC13	L	C	A	NS			(µA760)	(760)
LM219	LC14	L	C	A	NS			(µA760)	(760)
LM219	LC12	L	C	A	S			(µA760)	(706)
LM219	LC14	L	C	A	S			(µA760)	(706)
LM220 5.0	LV14	L	V	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LM220 5.0	LV15	L	V	A	NS				
LM220 5.2	LV14	L	V	A	NS				
LM220 5.2	LV15	L	V	A	NS				
LM220 6.0	LV14	L	V	A	NS				
LM220 6.0	LV15	L	V	A	NS				
LM220 12	LV14	L	V	A	NS				
LM220 12	LV15	L	V	A	NS				
LM220 15	LV14	L	V	A	NS				
LM220 15	LV15	L	V	A	NS				
LM220 18	LV14	L	V	A	NS				
LM220 18	LV15	L	V	A	NS				
LM220 24	LV14	L	V	A	NS				
LM220 24	LV15	L	V	A	NS				
LM221	LO109	L	O	A	NS				
LM221	LO110	L	O	A	NS				
LM221	LO111	L	O	A	NS				
LM221A	LO109	L	O	A	NS				
LM221A	LO110	L	O	A	NS				
LM221A	LO111	L	O	A	NS				
LM222	LT4	L	V	A	NS				
LM223	LV4	L	V	A	NS				
LM224	LO68	L	O	A	NS				
LM224	LO68	L	O	A	NS				
LM224	LO68	L	O	A	NS				
LM224	LO68	L	O	A	TS				
LM224	LO68	L	O	A	TS				
LM224	LO68	L	O	A	RY				
LM224	LO68	L	O	A	RY				
LM225	LV17	L	V	A	NS				
LM226	LV17	L	V	A	NS				
LM227	LV17	L	V	A	NS				
LM239	LC15	L	C	A	NS			(MC3302)	
LM239	LC15	L	C	A	NS			(MC3302)	
LM239	LC15	L	C	A	NS			(MC3302)	
LM239	LC15	L	C	A	TS			(MC3302)	

type	fig	1	2	3	4	europe	europe	america	america
LM239A	LC15	L	C	A	NS			MC3302	
LM245	LV15	L	V	A	NS				
LM258	LO28	L	O	A	NS				
LM260	LC16	L	C	A	NS			μA 760	
LM260	LC17	L	C	A	NS			μA 760	
LM261	LC19	L	C	A	NS				
LM261	LC20	L	C	A	NS				
LM265 Φ	IS2	I	S	A	NS			DS2605 Φ	
LM266 Φ	IS2	I	S	A	NS			DS2606 Φ	
LM267 Φ	IS2	I	S	A	NS			DS2607 Φ	
LM268 Φ	IS2	I	S	A	NS			DS2608 Φ	
LM270	LR34	L	R	A	NS				
LM271	LR36	L	R	A	NS				
LM272	LR37	L	R	A	NS				
LM272	LR38	L	R	A	NS				
LM273	LR39	L	R	A	NS				
LM274	LR39	L	R	A	NS				
LM275	LX5	L	X	A	NS				
LM295	LI 18	L	I	A	NS				
LM295	LI 19	L	I	A	NS				
LM300	LV8	L	V	A	NS			(SN72305) (723)	(μA 723)
LM300	LV9	L	V	A	NS			(SN72305) (723)	(μA 723)
LM301A	LO3	L	O	A	NS			(SN72301A) MLM301A	(μA 301)
LM301A	LO4	L	O	A	NS			(SN72301A) MLM301A	(μA 301)
LM301A	LO3	L	O	A	S			(SN72301A) MLM301A	μA301A
LM301A	LO4	L	O	A	S			(SN72301A) MLM301A	μA301A
LM301A	LO94	L	O	A	FC			(SN72301A) MLM301A	μA301A

type	fig	1	2	3	4	europe	europe	america	america
LM301A	LO3	L	O	A	FC			(SN72301A) MLM301A	µA301A
LM301A	LO4	L	O	A	FC			(SN72301A) MLM301A	µA301A
LM301A	LO3	L	O	A	TS			(SN72301A) MLM301A	µA301A
LM301A	LO94	L	O	A	TS			(SN72301A) MLM301A	µA301A
LM301A	LO4	L	O	A	TS			(SN72301A) MLM301A	µA301A
LM301A	LO94	L	O	A	RY			(SN72301A) MLM301A	µA301A
LM301A	LO3	L	O	A	RY			(SN72301A) MLM301A	µA301A
LM301A	LO4	L	O	A	RY			(SN72301A) MLM301A	µA301A
LM302	LG2	L	G	A	NS			SN72302 MLM310	(µA302) (302)
LM302	LG2	L	G	A	FC			SN72302 MLM310	(µA302) (302)
LM304	LV10	L	V	A	NS			SN72304 MLM304	µA304C
LM304	LV11	L	V	A	NS			SN72304 MLM304	µA304C
LM304	LV11	L	V	A	FC			SN72304 MLM304	µA304C
LM304	LV11	L	V	A	TS			SN72304 MLM304	µA304C
LM304	LV11	L	V	A	RY			SN72304 MLM304	µA304C
LM305	LV12	L	V	A	NS			SN72305 MLM305	µA305C
LM305	LV13	L	V	A	NS			SN72305 MLM305	µA305C
LM305	LV13	L	V	A	FC			SN72305 MLM305	µA305C
LM305	LV13	L	V	A	TS			SN72305 MLM305	µA305C
LM305	LV13	L	V	A	RY			SN72305 MLM305	µA305C
LM305A	LV13	L	V	A	NS			SN72305A	
LM305A	LV13	L	V	A	FC			SN72305A	
LM305A	LV13	L	V	A	TS			SN72305A	
LM305A	LV13	L	V	A	RY			SN72305A	
LM306	LC9	L	C	A	NS			SN72306 (MC1710)	(µA710) (710)

type	fig	1	2	3	4	europe	europe	america	america
LM306	LC9	L	C	A	RC			SN72306 (MC1710)	(µA710) (710)
LM307	LO95	L	O	A	NS			SN72307 MLM307	(µA307)
LM307	LO54	L	O	A	NS			SN72307 MLM307	µA307
LM307	LO17	L	O	A	NS			SN72307 MLM307	µA307
LM307	LO22	L	O	A	NS			SN72307 MLM307	µA307
LM307	LO17	L	O	A	S			SN 72307 MLM307	µA307
LM307	LO22	L	O	A	S			SN72307 MLM307	µA307
LM307	LO17 LO22	L L	O O	A A	FC FC			SN72307 MLM307	µA307
LM307	LO17	L	O	A	TS			SN72307 MLM307	µA307
LM307	LO95	L	O	A	TS			SN72307 MLM307	µA307
LM307	LO22	L	O	A	TS			SN72307 MLM307	µA307
LM307	LO95	L	O	A	RY			SN72307 MLM307	µA307
LM307	LO17	L	O	A	RY			SN72307 MLM307	µA307
LM307	LO22	L	O	A	RY			SN72307 MLM307	µA307
LM308	LO97	L	O	A	NS			SN72308 (MC1456)	µA308 308
LM308	LO96	L	O	A	NS			SN72308 (MC1456)	µA308 308
LM308	LO5	L	O	A	NS			SN72308 (MC1456)	µA308 308
LM308	LO98	L	O	A	NS			SN72308 (MC1456)	µA308 308
LM308	LO5	L	O	A	S			SN72308 (MC1456)	µA308 308
LM308	LO98	L	O	A	S			SN72308 (MC1456)	µA308 308
LM308	LO97	L	O	A	RY			SN72308 (MC1456)	µA308 308
LM308	LO5	L	O	A	RY			SN72308 (MC1456)	µA308 308
LM308	LO97	L	O	A	FC			SN72308 (MC1456)	µA308 308
LM308	LO5	L	O	A	FC			SN72308 (MC1456)	µA308 (MC1456)

type	fig	1	2	3	4	europe	europe	america	america
LM308A	LO97	L	O	A	NS			SN72308A 308A	μA308A
LM308A	LO96	L	O	A	NS			SN72308A 308A	μA308A
LM308A	LO5	L	O	A	NS			SN72308A 308A	μA308A
LM308A	LO98	L	O	A	NS			SN72308A 308A	μA308A
LM308A	LO97	L	O	A	S			SN72308A 308A	μA308A
LM308A	LO5	L	O	A	S			SN72308A 308A	μA308A
LM308A	LO97	L	O	A	RY			SN72308A 308A	μA308A
LM308A	LO5	L	O	A	RY			SN72308A 308A	μA308A
LM308A	LO97	L	O	A	FC			SN72309 MLM309	μA309 309
LM308A	LO5	L	O	A	FC			SN72309 MLM309	μA309 309
LM309	LV6	L	V	A	NS			SN72309 MLM309	μA309 309
LM309	LV4	L	V	A	NS			SN72309 MLM309	μA309 309
LM309	LV4	L	V	A	S			SN72309 MLM309	μA309 309
LM309	LV6	L	V	A	S			SN72309 MLM309	μA309 309
LM309	LV6	L	V	A	RY			SN72309 MLM309	μA309 309
LM309	LV4	L	V	A	FC			SN72309 MLM309	μA309 309
LM310	LG3	L	G	A	NS			SN72310 MLM310	μA310 310
LM310	LG2	L	G	A	NS			SN72310 MLM310	μA310 310
LM310	LG5	L	G	A	NS			SN72310 MLM310	μA310
LM310	LG2	L	G	A	FC			SN72310 MLM31	μA310
LM311	LC6	L	C	A	NS			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC10	L	C	A	NS			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC2	L	C	A	NS			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC11 LC6	L L	C C	A A	NS NS			SN72311 MLM311	HA2-2311-5 μA311

type	fig	1	2	3	4	europe	europe	america	america
LM311	LC6	L	C	A	S			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC6	L	C	A	S			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC2	L	C	A	S			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC11	L	C	A	S			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC2	L	C	A	FC			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC2	L	C	A	TS			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC6	L	C	A	TS			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC11	L	C	A	TS			SN72311 MLM311	HA2-2311-5 μA311
LM311	LC6 LC2	L L	C C	A A	RY RY			SN72311 MLM311	HA2-2311-5 μA311
LM312	LO99	L	O	A	NS			(μA776C) (776C)	(MC1456)
LM312	LO100	L	O	A	NS			(μA776C) (776C)	(MC1456)
LM312	LO101 LO102	L L	O O	A A	NS NS			(μA776C) (776C)	(MC1456)
LM312	LO99	L	O	A	RY			(μA776C) (776C)	(MC1456)
LM312	LO99	L	O	A	RY			(μA776C) (776C)	(MC1456)
LM312	LO99	L	O	A	RY			(μA776C) (776C)	(MC1456)
LM316	LO103	L	O	A	NS			(μA740C)	(740C)
LM316	LO105	L	O	A	NS			(μA740C)	(740C)
LM316	LO104	L	O	A	NS			(μA740C)	(740C)
LM316	LO103	L	O	A	RY			(μA740C)	(740C)
LM316	LO105	L	O	A	RY			(μA740C)	(740C)
LM316A	LO103	L	O	A	NS			(μA740C)	(740C)
LM316A	LO104	L	O	A	NS			(μA740C)	(740C)
LM316A	LO105	L	O	A	NS			(μA740C)	(740C)
LM316A	LO103 LO105	L L	O O	A A	RY RY			(740C) (740C)	(μA 740C) (μA 740C)
LM318	LO106	L	O	A	NS			SN72318 (MC1439) HA2-2525-5	(μA 772C) RM318 (772C)
LM318	LO10	L	O	A	NS			SN72318 (MC1439) HA2-2525-5	(μA 772C) RM318 (772C)

type	fig	1	2	3	4	europe	europe	america	america
LM318	LO18	L	O	A	NS			SN72318 (MC1439) HA2-2525-5	(μA772 C) RM318 (772 C)
LM318	LO106	L	O	A	RY			SN72318 (MC1439) HA2-2525-5	(μA772 C) RM318 (772 C)
LM318	LO10	L	O	A	RY			SN72318 (MC1439) HA2-2525-5	(μA772 C) RM318 (772 C)
LM319	LC12	L	C	A	NS				
LM319	LC14	L	C	A	NS				
LM319	LC12	L	C	A	NS				
LM319	LC12	L	C	A	S				
LM319	LC12	L	C	A	S				
LM319	LC14	L	C	A	S				
LM320 5.0	LV14	L	V	A	NS			μA78N05	(MC7905)
LM320 5.0	LV15	L	V	A	NS			μA78N05	(MC7905)
LM320 5.0	LV16	L	V	A	NS			μA78N05	(MC7905)
LM320 5.2	LV14	L	V	A	NS			(MC7905.2)	
LM320 5.2	LV15	L	V	A	NS			(MC7905.2)	
LM320 5.2	LV16	L	V	A	NS			(MC7905.2)	
LM320 6.0	LV14	L	V	A	NS			MC7906	
LM320 6.0	LV15	L	V	A	NS			MC7906	
LM320 6.0	LV16	L	V	A	NS			MC7906	
LM320 8.0	LV16	L	V	A	NS				
LM320 12	LV14	L	V	A	NS			(MC7912)	
LM320 12	LV15	L	V	A	NS			(MC7912)	
LM320 12	LV16	L	V	A	NS			(MC7912)	
LM320 15	LV14	L	V	A	NS			(MC7915)	
LM320 15	LV15	L	V	A	NS			(MC7915)	
LM320 15	LV16	L	V	A	NS			(MC7915)	
LM320 18	LV14	L	V	A	NS			MC7918	
LM320 18	LV15	L	V	A	NS			MC7918	
LM320 18	LV16	L	V	A	NS			MC7918	
LM320 24	LV14	L	V	A	NS			MC7924	
LM320 24	LV15	L	V	A	NS			MC7924	
LM320 24	LV16	L	V	A	NS			MC7924	
LM321	LO109	L	O	A	NS				
LM321	LO110	L	O	A	NS				
LM321	LO111	L	O	A	NS				
LM321A	LO109	L	O	A	NS			RC4195	
LM321A	LO110	L	O	A	NS			RC4195	

type	fig	1	2	3	4	europe	europe	america	america
LM321A	LO111	L	O	A	NS			RC4195	
LM322	LT4	L	T	A	NS				
LM322	LT5	L	T	A	NS				
LM323	LV4	L	V	A	NS				
LM324	LO68	L	O	A	NS				
LM324	LO68	L	O	A	NS				
LM324	LO68	L	O	A	S				
LM324	LO68	L	O	A	S				
LM324	LO68	L	O	A	TS				
LM324	LO68	L	O	A	TS				
LM324	LO68	L	O	A	RY				
LM324	LO68	L	O	A	RY				
LM325	LV17	L	V	A	NS			MC1468	
LM325	LV18	L	V	A	NS			MC1468	
LM325	LV18	L	V	A	NS			MC1468	
LM325A	LV18	L	V	A	NS				
LM325A	LV18	L	V	A	NS				
LM326	LV17	L	V	A	NS				
LM326	LV18	L	V	A	NS				
LM326	LV18	L	V	A	NS				
LM327	LV17	L	V	A	NS				
LM327	LV18	L	V	A	NS				
LM327	LV18	L	V	A	NS				
LM339	LC15	L	C	A	NS			(MC3302)	
LM339	LC15	L	C	A	S			(MC3302)	
LM339	LC15	L	C	A	S			(MC3302)	
LM339	LC15	L	C	A	TS			(MC3302)	
LM339	LC15	L	C	A	TS			(MC3302)	
LM339A	LC15	L	C	A	NS			MC3302	
LM339A	LC15	L	C	A	NS			MC3302	
LM340 5.0	LV4	L	V	A	NS			SN72905 MC7805	μA7805 C 7805 C
LM340 5.0	LV5	L	V	A	NS			SN72905 MC7805	μA7805 C 7805 C
LM340 5.0R	LV4	L	V	A	NS				
LM340 5.0R	LV5	L	V	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LM340L 5.0	LV16	L	V	A	NS			LM3910-5.0 Φ	
LM340L 5.0	LV17	L	V	A	NS			LM3910-5.0 Φ	
LM340 6.0	LV4	L	V	A	NS			SN72906 MC7806	μA7806C 7806 C
LM340 6.0	LV5	L	V	A	NS			SN72906 MC7806	μA7806C 7806 C
LM340 6,0R	LV4	L	V	A	NS				
LM340 6.0R	LV5	L	V	A	NS				
LM340L 6.0	LV6	L	V	A	NS			LM3910-6.0 Φ	
LM340L 6.0	LV7	L	V	A	NS			LM3910-6.0 Φ	
LM340 8.0	LV4	L	V	A	NS			SN72908 MC7808	μA7808C 7808C
LM340 8.0	LV5	L	V	A	NS			SN72908 MC7808	μA7808C
LM340 8.0R	LV4	L	V	A	NS				
LM340 8.0R	LV5	L	V	A	NS				
LM340L 8.0	LV6	L	V	A	NS			LM3910-8.0 Φ	
LM340L 8.0	LV7	L	V	A	NS			LM3910-8.0 Φ	
LM340 12	LV4	L	V	A	NS			SN72912 MC7812	μA7812C (7812C)
LM340 12	LV5	L	V	A	NS			SN72912 MC7812	μA7812C (7812C)
LM340 12R	LV4	L	V	A	NS				
LM340 12R	LV5	L	V	A	NS				
LM340L 12	LV6	L	V	A	NS			LM3910-12 Φ	
LM340L 12	LV7	L	V	A	NS			LM3910-12 Φ	
LM340 15	LV4	L	V	A	NS			SN72915 MC7815	μA7815C 7815C
LM340 15	LV5	L	V	A	NS			SN72915 MC7815	μA7815C 7815C
LM340 15R	LV4	L	V	A	NS				
LM340 15R	LV5	L	V	A	NS				
LM340L 15	LV6	L	V	A	NS			LM3910-15 Φ	
LM340L 15	LV7	L	V	A	NS			LM3910-15 Φ	
LM340 18	LV4	L	V	A	NS			SN72918 MC7818	μA7818C 7818C
LM340 18	LV5	L	V	A	NS			SN72918 MC7818	μA7818C 7818C
LM340 18R	LV4	L	V	A	NS				
LM340 18R	LV5	L	V	A	NS				
LM340L 18	LV6	L	V	A	NS			LM3910-18 Φ	

type	fig	1	2	3	4	europe	europe	america	america
LM340L 18	LV7	L	V	A	NS			LM3910-18 Φ	
LM340 24	LV4	L	V	A	NS			SN72924 MC7824	μA7824C 7824C
LM340 24	LV5	L	V	A	NS			SN72924 MC7824	μA7824C 7824C
LM340 24R	LV4	L	V	A	NS				
LM340 24R	LV5	L	V	A	NS				
LM340L 24	LV6	L	V	A	NS			LM3910-24 Φ	
LM340L 24	LV7	L	V	A	NS			LM3910-24 Φ	
LM341 5.0	LV5	L	V	A	NS				
LM341 6.0	LV5	L	V	A	NS				
LM341 8.0	LV5	L	V	A	NS				
LM341 12	LV5	L	V	A	NS			78M12C	
LM341 15	LV5	L	V	A	NS			78M15C	
LM341 18	LV5	L	V	A	NS			78M18C	
LM341 24	LV5	L	V	A	NS			78M24C	
LM342 5	LV14	L	V	A	NS				
LM342 5	LV5	L	V	A	NS				
LM342 6	LV14	L	V	A	NS				
LM342 6	LV5	L	V	A	NS				
LM342 8	LV14	L	V	A	NS				
LM342 8	LV5	L	V	A	NS				
LM342 10	LV14	L	V	A	NS				
LM342 10	LV5	L	V	A	NS				
LM342 15	LV14	L	V	A	NS				
LM342 15	LV5	L	V	A	NS				
LM342 18	LV14	L	V	A	NS				
LM342 18	LV5	L	V	A	NS				
LM342 24	LV14	L	V	A	NS				
LM342 24	LV5	L	V	A	NS				
LM343	LO70	L	O	A	NS				
LM343	LO1	L	A	A	NS				
LM345	LV15	L	V	A	NS				
LM350	IP22	I	P	A	NS			(SN75450) 75325	μA75325
LM351	IP3	I	P	A	NS			LM75453	
LM358	LO26	L	O	A	NS			LM1458	
LM358	LO28	L	O	A	NS			LM1458	

type	fig	1	2	3	4	europe	europe	america	america
LM360	LC16	L	C	A	NS			μA760C	
LM360	LC17	L	C	A	NS			μA760C	
LM360	LC18	L	C	A	NS			μA760C	
LM360	LC16	L	C	A	NS			μA760C	
LM361	LC19	L	C	A	NS				
LM361	LC20	L	C	A	NS				
LM361	LC19	L	C	A	NS				
LM363 Φ	IR7	I	R	A	NS			DS3603 Φ	
LM363 Φ	IR7	I	R	A	NS			DS3603 Φ	
LM363A Φ	IR7	I	R	A	NS			DS3604 Φ	
LM363A Φ	IR7	I	R	A	NS			DS3604 Φ	
LM365 Φ	IS2	I	S	A	NS			DS3605 Φ	
LM366 Φ	IS2	I	S	A	NS			DS3606 Φ	
LM367 Φ	IS2	I	S	A	NS			DS3607 Φ	
LM368 Φ	IS2	I	S	A	NS			DS3608 Φ	
LM370	LR34	L	R	A	NS			(MC1590)	
LM370	LR35	L	R	A	NS			(MC1590)	
LM371	LR36	L	R	A	NS			(MFC6010)	
LM372	LR37	L	R	A	NS				
LM372	LR38	L	R	A	NS				
LM373	LR39	L	R	A	NS				
LM373	LR40	L	R	A	NS				
LM374	LR39	L	R	A	NS				
LM374	LR40	L	R	A	NS				
LM375	LX5	L	X	A	NS				
LM376	LV19	L	V	A	NS			SN72376 (MFC6030A)	μA376C 376
LM376	LV19	L	V	A	FC			SN72376 (MFC6030A)	μA376C 376
LM376	LV19	L	V	A	TS			SN72376 (MFC6030A)	μA376C 376
LM377	LA4	L	A	A	NS				
LM378	LA5	L	A	A	NS				
LM379	LA6	L	A	A	NS				
LM380	LA7	L	A	A	NS			MFC9020	
LM380	LA8	L	A	A	NS			MFC9020	
LM381	LA9	L	A	A	NS			(MC1339)	
LM381A	LA9	L	A	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LM382	LA10	L	A	A	NS				(MC1339)
LM386	LA11	L	A	A	NS				
LM387	LA12	L	A	A	NS				
LM388	LA13	L	A	A	NS				
LM394	LI20	L	I	A	NS				
LM395	LI18	L	I	A	NS				
LM395	LI19	L	I	A	NS				
LM529	LC19	L	C	A	NS			SE529	
LM529	LC20	L	C	A	NS			SE529	
LM529C	LC19	L	C	A	NS			NE529	
LM529C	LC20	L	C	A	NS			NE529	
LM555	LT3	L	T	A	NS			SN52555	MC1555
LM555C	LT3	L	T	A	NS			MC1455	
LM555C	LT1	L	T	A	NS			MC1455	
LM565	LL3	L	L	A	NS				
LM565C	LL3	L	L	A	NS				
LM565C	LL3	L	L	A	NS				
LM566	LX3	L	X	A	NS				
LM566C	LX3	L	X	A	NS				
LM566C	LX3	L	X	A	NS				
LM567	LX4	L	X	A	NS				
LM567C	LX4	L	X	A	NS				
LM576C	LX4	L	X	A	NS				
LM703L	LR33	L	R	A	NS			(MFC6010)	
LM703L	LR41	L	R	A	NS			(MFC6010)	
LM709	LO112	L	O	A	NS			SN52709 MC1709 709	μA709M RM709 709B
LM709A	LO112	L	O	A	NS			RM709A 709A	μA709A M
LM709C	LO112	L	O	A	NS			MC1709C RC709	μA709 C 709C
LM709C	LO113	L	O	A	NS			MC1709C RC709	μA709 C 709C
LM710	LC21	L	C	A	NS			SN52710 RM710 710	μA710 M MC1710 710 M
LM710C	LC21	L	C	A	NS			MC1710C RC710A	μA710 C 710 C

type	fig	1	2	3	4	europe	europe	america	america
LM710C	LC22	L	C	A	NS			μA710C RC710A	MC710C 710C
LM711	LC25	L	C	A	NS			SN52711 MC1711 711	μA711M RM711 711B
LM711C	LC25	L	C	A	NS			μA711C RC711	MC1711C 711C
LM711C	LC26	L	C	A	NS			μA711C RC711	MC1711C 711C
LM723	LV1	L	V	A	NS			SN52723 MC1723 723	μA723M RM723
LM723	LV2	L	V	A	NS			SN52723 MC1723 723	μA723M RM723
LM723	LV1	L	V	A	NS			SN52723 MC1723 723	μA723M RM723
LM723C	LV1	L	V	A	NS			SN72723 MC1723C 723C	μA723M RC723
LM723C	LV2	L	V	A	NS			SN72723 MC1723C 723C	μA723C RC723
	LV1	L	V	A	NS				
LM725	LO118	L	O	A	NS			μA725 725	RM725
LM725	LO116	L	O	A	NS			μA725 725	RM725
LM725A	LO116	L	O	A	NS			(SN52108A) 725A	μA725A
LM725C	LO116	L	O	A	NS			μA725C 725C	RC725
LM725C	LO117	L	O	A	NS			μA725C 725C	RC725
LM733	LR44	L	R	A	NS			SN52733 MC1733	μA733 733
LM733	LR43	L	R	A	NS			SN52733 MC1733	μA733 733
	LR42	L	R	A	NS				
LM733C	LR44	L	R	A	NS			μA733C 733C	MC1733C
LM733C	LR42	L	R	A	NS			μA733C 733C	MC1733C
LM733C	LR44	L	R	A	NS			μA733C 733C	MC1733C
LM741	LO119	L	O	A	NS			SN52741 MC1741 741	μA741M RM741 741B
LM741	LO1	L	O	A	NS			SN52741 MC1741 741	μA741M RM741 741B

type	fig	1	2	3	4	europe	europe	america	america
LM741C	LO70	L	O	A	NS			μA741C RC741	MC1741 741C
LM741C	LO1	L	O	A	NS			μA741C RC741	MC1741 741C
LM741C	LO14	L	O	A	NS			μA741C RC741	MC1741 741C
LM741C	LO70	L	O	A	NS			μA741C RC741	MC1741 741C
LM746	LR46	L	R	A	NS			MC1328	
LM746	LR46	L	R	A	NS			MC1328	
LM747	LO25	L	O	A	NS			SN52747 MC1747 747	μA747M RM747 747B
LM747	LO19	L	O	A	NS				
LM747C	LO120	L	O	A	NS			μA747C RC747 747C	MC1747C 747C
LM747C	LO25	L	O	A	NS				
LM747C	LO19	L	O	A	NS			μA747C RC747 747C	MC1747C 747C
LM747C	LO25	L	O	A	NS				
LM748	LO3	L	O	A	NS			SN52748 MC1748 748	μA748M RM748 748B
LM748C	LO3	L	O	A	NS			μA748C RM748	MC1748C 748C
	LO4	L	O	A	NS				
LM760	LC16	L	C	A	NS			μA760M	
LM760	LC17	L	C	A	NS			μA760M	
LM760C	LC16	L	C	A	NS			μA760C	
LM760C	LC17	L	C	A	NS			μA760C	
LM760C	LC18	L	C	A	NS			μA760C	
LM760C	LC16	L	C	A	NS			μA760C	
LM1303	LR47	L	R	A	NS			MC1303	
LM1304	LR48	L	R	A	NS			MC1304	
LM1304	LR48	L	R	A	NS			MC1304	
LM1305	LR49	L	R	A	NS			MC1305	
LM1305	LR49	L	R	A	NS			MC1305	
LM1307	LR50	L	R	A	NS			MC1307	
LM1307	LR50	L	R	A	NS			MC1307	
LM1307E	LR51	L	R	A	NS				
LM1307E	LR51	L	R	A	NS				
LM1310	LR52	L	R	A	NS			MC1310	
LM1310E	LR52	L	R	A	NS				
LM1351	LR53	L	R	A	NS			MC1351	
LM1351	LR53	L	R	A	NS			MC1351	

type	fig	1	2	3	4	europe	europe	america	america
LM1414	LC28	L	C	A	NS			SN72514 MC1414 (711 C)	(μA711C) RC1414
LM1414	LC28	L	C	A	NS				
LM1458	LO28	L	O	R	NS			SN72558 LM358 1458	MC1458 RC1458
LM1458	LO26	L	O	R	NS			SN72558 LM358 1458	MC1458 RC1458
LM1458	LO121	L	O	R	NS			SN72558 LM358 1458	MC1458 RC1458
LM1488	IT1	I	T	A	NS			SN75188	(9616)
LM1489	IR1	I	R	A	NS			SN75189 MC1489	(9617)
LM1489A	IR1	I	R	A	NS			SN75189A MC1489A	9617
LM1496	LR54	L	R	A	NS			MC1496	
LM1496	LR55	L	R	A	NS			MC1496	
LM1514	LC28	L	C	A	NS			SN56514 MC1514 (711)	(μA711) RM1514
LM1558	LO28	L	O	A	NS			SN52558 1558	MC1558
LM1596	LR54	L	R	A	NS			(SN56514) RM1558	MC1596
LM1800	LR56	L	R	A	NS				
LM1805	LR57	L	R	A	NS				
LM1808	LR58	L	R	A	NS				
IM1820	LR59	L	R	A	NS				
LM1829	LR60	L	R	A	NS				
LM1841	LR61	L	R	A	NS				
LM1845	LR62	L	R	A	NS				
LM1845	LR62	L	R	A	NS				
LM2111	LR63	L	R	A	NS				MC1357
LM2111	LR63	L	R	A	NS				MC1357
LM2113	LR63	L		A	NS				
LM2113	LR63	L		A	NS				
LM2900	LO48	L	O	A	NS				
LM2900	LO48	L	O	A	RY				
LM2901	LC15	L	C	A	NS				
LM2902	LO68	L	O	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LM2905	LT7	L	T	A	NS				
LM3011	LR64	L	R	A	NS			CA3011	
LM3018	LI1	L	I	A	NS				
LM3018A	LI1	L	I	A	NS				
LM3019	LI2	L	I	A	NS				
LM3026	LI3	L	I	A	NS				
LM3028A	LR65	L	R	A	NS			CA3028A	
LM3028B	LR65	L	R	A	NS			CA3028B	
LM3039	LI5	L	I	A	NS				
LM3045	LI6	L	I	A	NS				
LM3046	LI6	L	I	A	NS				
LM3053	LR65	L	R	A	NS			CA3053	
LM3054	LI4	L	I	A	NS			CA3065	
LM3064	LR16	L	I	A	NS			MC1364	CA3064
LM3064	LR16	L	I	A	NS			MC1364	CA3064
LM3064	LR16	L	I	A	NS			MC1364	CA3064
LM3065	LR17	L	R	A	NS			MC1358	CA3065
LM3066	LR18	L	R	A	NS			CA3066	
LM3066	LR18	L	R	A	NS			CA3066	
LM3067	LR18	L	R	A	NS			(MC1328)	CA3067
LM3067	LR18	L	R	A	NS			(MC1328)	CA3067
LM3070	LR20	L	R	A	NS			MC1370	CA3070
LM3070	LR20	L	R	A	NS			MC1370	CA3070
LM3071	LR20	L	R	A	NS			MC1371	CA3071
LM3071	LR20	L	R	A	NS			MC1371	CA3071
LM3075	LR20	L	R	A	NS			MC1375	CA3075
LM3075	LR20	L	R	A	NS			MC1375	CA3075
LM3086	LI6	L	I	A	NS				
LM3089	LR24	L	R	A	NS			CA3089E	
LM3118	LI1	L	I	A	NS				
LM3118A	LI1	L	I	A	NS				
LM3145	LI6	L	I	A	NS				
LM3145A	LI6	L	I	A	NS				
LM3146	LI6	L	I	A	NS				
LM3146A	LI6	L	I	A	NS				
LM3302	LC15	L	C	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
LM3611 Φ	IP1	I	P	A	NS			DS3611 Φ	
LM3612 Φ	IP2	I	P	A	NS			DS3612 Φ	
LM3613 Φ	IP3	I	P	A	NS			DS3613 Φ	
LM3614 Φ	IP4	I	P	A	NS			DS3614 Φ	
LM3625 Φ	IS3	I	S	A	NS			DS3625 Φ	
LM3900	LO48	L	O	A	NS			(SN72L044)	MC3401
LM3900	LO48	L	O	A	RY			(SN72L044)	MC3401
LM3905	LT7	L	T	A	NS			(SN72555)	
LM3910-5.0 Φ	LV6	L	V	A	NS			LM340L 5.0 Φ	
LM3910-5.0 Φ	LV7	L	V	A	NS			LM340L 5.0 Φ	
LM3910-6.0 Φ	LV6	L	V	A	NS			LM340L 6.0 Φ	
LM3910-6.0 Φ	LV7	L	V	A	NS			LM340L 6.0 Φ	
LM3910-8.0 Φ	LV6	L	V	A	NS			LM340L 8.0 Φ	
LM3910-8.0 Φ	LV7	L	V	A	NS			LM340L 8.0 Φ	
LM3910-10 Φ	LV6	L	V	A	NS			LM340L 10 Φ	
LM3910-10 Φ	LV7	L	V	A	NS			LM340L 10 Φ	
LM3910-12 Φ	LV6	L	V	A	NS			LM340L 12 Φ	
LM3910-12 Φ	LV7	L	V	A	NS			LM340L 12 Φ	
LM3910-15 Φ	LV6	L	V	A	NS			LM340L 15 Φ	
LM3910-15 Φ	LV7	L	V	A	NS			LM340L 15 Φ	
LM3910-18 Φ	LV6	L	V	A	NS			LM340L 18 Φ	
LM3910-18 Φ	LV7	L	V	A	NS			LM340L 18 Φ	
LM3910-24 Φ	LV6	L	V	A	NS			LM340L 24 Φ	
LM3910-24 Φ	LV7	L	V	A	NS			LM340L 24 Φ	
LM4250	LO122	L	O	A	NS			(SN52108A) (MC1776)	μA776 776
LM4250	LO65	L	O	A	NS			(SN52108A) (MC1776)	μA776 776
LM4250C	LO65	L	O	A	NS			(MC1776C) 776 C	μA776 C
LM4250C	LO123	L	O	A	NS			(MC1776C) 776 C	μA776 C
LM7520 Φ	IS4	I	S	A	NS			SN7520 MC7520 RC7520	(μA7524) DS7520 Φ (7524)
LM7520 Φ	IS4	I	S	A	NS			SN7520 MC7520 RC7520	(μA7524) DS7520 Φ (7524)

type	fig	1	2	3	4	europe	europe	america	america
LM7521 Φ	IS4	I	S	A	NS			SN7521 MC7521 RC7521	(μA7524) DS7520 Φ (7524)
LM7521 Φ	IS4	I	S	A	NS			SN7521 MC7521 RC7521	(μ A7524) DS7520 Φ 7524
LM7522 Φ	IS5	I	S	A	NS			SN7522 MC7522 RC7522	(μ A7524) DS7522 Φ (7524)
LM7522 Φ	IS5	I	S	A	NS			SN7522 MC7522 RC7522	(μA7524) DS7522 Φ (7524)
LM7523 Φ	IS5	I	S	A	NS			SN7523 MC7523 RC7523	(μA7524) DS7523 Φ (7524)
LM7523 Φ	IS5	I	S	A	NS			SN7523 MC7523 RC7523	(μA7524) DS7523 Φ (7524)
LM7524 Φ	IS6	I	S	A	NS			SN7524 MC7524 RC7524	μA7524 DS7524 Φ 7624
LM7524 Φ	IS6	I	S	A	NS			SN7524 MC7524 RC7524	μ A7524 DS7524 Φ 7524
LM7525 Φ	IS6	I	S	A	NS			SN7525 MC7525 7525	μA7525 RC7525 DS7525 Φ
LM7525 Φ	IS6	I	S	A	NS			SN7525 MC7525 7525	μ A7525 RC7525 DS7525 Φ
LM7528 Φ	IS7	I	S	A	NS			SN7528 MC7528 7528	μA7528 DS7528 Φ
LM7528 Φ	IS7	I	S	A	NS			SN7528 MC7528 7528	μA7528 DS7528 Φ
LM7529 Φ	IS7	I	S	A	NS			SN7529 MC7529 7529	μA7529 DS7529 Φ
LM7529 Φ	IS7	I	S	A	NS			SN7529 MC7529 7529	μA7529 DS7529 Φ
LM7534 Φ	IS8	I	S	A	NS			SN7534 MC7534 7534	μA7534 DS7534 Φ
LM7534 Φ	IS8	I	S	A	NS			SN7534 MC7534 7534	μA7534 DS7534 Φ
LM7535 Φ	IS8	I	S	A	NS			SN7535 DS7535 Φ	μA7535 MC7535
LM7535 Φ	IS8	I	S	A	NS			(7524) 7535	SN75233 (μA7524)

type	fig	1	2	3	4	europe	europe	america	america
LM7538 Φ	IS9	I	S	A	NS			SN7538 MC7538 (7524)	(μA 7524) DS7538 Φ (SN75238)
LM7538 Φ	IS9	I	S	A	NS				
LM7539 Φ	IS9	I	S	A	NS			SN7539 MC7539 (7524)	(μA 7524) DS7539 Φ (SN75239)
LM7539 Φ	IS9	I	S	A	NS				
LM75107A Φ	IR11	I	R	A	NS			SN75107A	DS75107A Φ
LM75107A Φ	IR11	I	R	A	NS			SN75107A	DS75107A Φ
LM75108A Φ	IR11	I	R	A	NS			SN75108A	DS75108A Φ
LM75108A Φ	IR11	I	R	A	NS			SN75108A	DS75108A Φ
LM75109 Φ	IT5	I	T	A	NS			SN75109	DS75109 Φ
LM75109 Φ	IT5	I	T	A	NS			SN75109	DS75109 Φ
LM75110 Φ	IT5	I	T	A	NS			SN75110	DS75110 Φ
LM75110 Φ	IT5	I	T	A	NS			SN75110	DS75110 Φ
LM75121 Φ	IT6	I	T	A	NS			SN75121	DS75121 Φ
LM75121 Φ	IT6	I	T	A	NS			SN75121	DS75121 Φ
LM75122 Φ	IR12	I	R	A	NS			SN75122	DS75122 Φ
LM75123 Φ	IT6	I	T	A	NS			SN75123	DS75123 Φ
LM75123 Φ	IT6	I	T	A	NS			SN75123	DS75123 Φ
LM75124 Φ	IR12	I	R	A	NS			SN75124	DS75124 Φ
LM75150 Φ	IT7	I	T	A	NS			SN75150	DS75150 Φ
LM75150 Φ	IT8	I	T	A	NS			SN75150	DS75150 Φ
LM75154 Φ	IR13	I	R	A	NS			SN75154	DS75154 Φ
LM75207 Φ	IR11	I	S	A	NS			SN75207	DS75207
LM75207 Φ	IR11	I	S	A	NS			SN75207	DS75207 Φ
LM75208 Φ	IR11	I	S	A	NS			SN75208	DS75208 Φ
LM75208 Φ	IR11	I	S	A	NS			SN75208	DS75208 Φ
LM75324 Φ	IX7	I	X	A	NS			SN75324	DS75324 Φ
LM75324 Φ	IX8	I	X	A	NS			SN75324	DS75324 Φ
LM75325 Φ	IM23	I	M	A	NS			SN75325 MC75325	μA75325 DS75325 Φ
LM75325 Φ	IM23	I	M	A	NS			SN75325 MC75325	μA75325 DS75325 Φ
LM75450 Φ	IP21	I	P	A	NS			SN75450 MC75450 (75450A)	(μA 75450A) DS75450 Φ
LM75451 Φ	IP1	I	P	A	NS			SN75451 MC75451 (75451A)	(μA 75451A) DS75451 Φ
LM75452 Φ	IP2	I	P	A	NS			SN75452 MC75452 75452	μA75452 DS75452 Φ SN75452B

type	fig	1	2	3	4	europe	europe	america	america
LM75453 Φ	IP3	I	P	A	NS			SN75453 MC75453	μ A75453 DS75453 Φ
LM75454 Φ	IP4	I	P	A	NS			SN75454 DS75454 Φ SN754548	μA75454 75454
MC1303	LR47	L	A	A	MO			(μA749C) (749C)	RC4739 (U6A7739393)
MC1304	LR48	L	R	A	MO			μA732 C 732C	LM1304 U6A7732394
MC1305	LR49	L	R	A	MO			(μA732C) (732C)	LM1305 U 6A7729394
MC1306	LA14	L	A	A	MO			(LM380)	
MC1307	LR50	L	R	A	MO			μ A767C 767	LM1307 U6A7767394
MC1310	LR52 LR52	L L	R R	A A	MO S			LM1310 (758C)	(μA758C)
MC1310E	LR52	L	R	A	S				
MC1311	LR52	L	R	A	MO				
MC1312	LR66	L	R	A	MO				
MC1313	LR66	L	R	A	MO				
MC1314 Ψ		L	A	A	MO				
MC1315 Ψ		L	A	A	MO				
MC1325	LR67	L	R	A	MO				
MC1326	LR68	L	R	A	MO			(μA746C) (746C)	LM3067 (U7F7746394)
MC1326	LR68	L	R	A	MO			(μA746C) (746C)	LM3067 U 7F7746394)
MC1327		L	R	A	MO				
MC1327		L	R	A	MO				
MC1328	LR70	L	R	A	MO			(μA746C) (746C) U5E7746394	LM746 (LM3067)
MC1328	LR70	L	R	A	MO			(μA746C) (746C) U5E7746394	LM746 (LM3067)
MC1328	LR70	L	R	A	MO			(μA746C) (746C) U5E7746394	LM746 (LM3067)
MC1330	LR71	L	R	A	MO				
MC1339	LA15	L	A	A	MO			(μA749C) (749C)	(LM387) (LM382)
MC1344		L	R	A	MO			(LM1845)	
MC1349	LR72	L	R	A	MO				
MC1350	LR73	L	R	A	MO			(μA757C) (757C)	(LM703L) (UA6A7757394)

type	fig	1	2	3	4	europe	europe	america	america
MC1351	LR53	L	R	A	MO			3065	LM1351
MC1351	LR53	L	R	A	MO			3065	LM1351
MC1352	LR3	L	R	A	MO			(µA757C) (U6A7757394)	(757C)
MC1353	LR3	L	R	A	MO			(µA757C)	(U6A7757394)
MC1355	LR75	L	R	A	MO			(3065) (U6A7754394)	(LM2111)
MC1355	LR75	L	R	A	MO			(3065) (U6A7754394)	(LM2111)
MC1357	LR63	L	R	A	MO			2136	LM2111
MC1357	LR63	L	R	A	MO			2136	LM2111
MC1358	LR76	L	R	A	MO			3065	(LM3065)
MC1359 Ψ		L	R	A	MO				
MC1364	LR74	L	R	A	MO			3064	LM3064
MC1370	LR77	L	R	A	MO			µA780C 780C	LM3070
MC1371	LR78	L	R	A	MO			µA781C 781C	LM3071
MC1375	LR21	L	A	A	'MO			LM3075	CA3075
MC1391		L	R	A	MO				
MC1394 Ψ		L	R	A	MO				
MC1395 Ψ		L	R	A	MO	TBA 395			
MC1396 Ψ		L	R	A	MO	TBA 396			
MC1398	LR79	L	R	A	MO			(LM3071)	
MC1406	ID5	I	D	A	MO				
MC1407 Ψ		I	A	A	MO				
MC1408		I	D	A	MO				
MC1410	LR80	L	R	A	MO			(LM733C) (733 C)	(µA733 C)
MC1414	LC28	L	C	A	MO			SN72514	(µA711 C)
	LC28	L	C	A	MO			LM1414	RC1414
	LC28	L	C	A	MO			(711 C)	(U6A7711393)
MC1420	LO124	L	O	A	MO			(SN5511) (LM733C)	(µA733 C) (733 C)
MC1420	LO124	L	O	A	MO			(SN5511) (LM733C)	(µA733 C) (733 C)
MC1430	LO125	L	O	A	MO			(SN72702)	(µA702 C)
								(LM301A)	(702 C)
	LO125	L	O	A	MO			(U3F7702312)	(U5B7702393)
MC1430	LO125	L	O	A	MO			(SN72702) (LM301A) (U3F7702312)	(µA702 C) (702 C) (U5B7702393)

type	fig	1	2	3	4	europe	europe	america	america
MC1431	LO125	L	O	A	MO			(SN72702) (LM301A) (U3F7702312)	(µA702C) (702C) (U5B7702393)
MC1431	LO125	L	O	A	MO			(SN72702) (LM301A) (U3F7702312)	(µA702C) (702C) (U5B7702393)
MC1431	LO125	L	O	A	MO			(SN72702) (LM301A) (U3D7702312)	(µA702C) (702C) (U5B7702393)
MC1433	LO126	L	O	A	MO			(SN72301A) (LM301A) (U5B7101392)	(301) (U3F7101311)
MC1433	LO126	L	O	A	MO			(SN72301A) (LM301A) (U5B7101392)	(301) (U3F7101311)
MC1433	LO126	L	O	A	MO			(SN72301A) (LM301A) (U5B7101392)	(301) (U3F7101311)
MC1433	LO126	L	O	A	MO			(SN72301A) (LM301A) (U5B7101392)	(301) (U3F7101311)
MC1435	LO127	L	O	A	MO			(µA749C) (749C)	(LM1303)
MC1435	LO127	L	O	A	MO			(µA749C) (749C)	(LM1303)
MC1435	LO127	L	O	A	MO			(µA749C) (749C)	(LM1303)
MC1436	LO1	L	O	A	MO			301 (LM343)	LM1436 U5B7101392
MC1436C	LO1	L	O	A	MO			LM1436	
MC1437	LO128	L	O	A	MO			(µA749C) RC1437 (U6A7749393)	(LM1458N-14) (749C)
MC1437	LO128	L	O	A	MO			(µA749C) (RC1437) (U6A7749393)	(LM1458N-14) (749C)
MC1438	LK7	L	K	A	MO			(µA749C) (749C)	(LH0002C) (U6A7749393)
MC1439	LO129	L	O	A	MO			SN72101A (LF356) (LM218)	(301) (LM301A) (U5B7101392)
MC1439	LO129	L	O	A	MO			SN72101A (LF356) (LM218)	(301) (LM301A) (U5B7101392)
MC1439	LO129	L	O	A	MO			SN72101A (LF356) (LM218)	(301) (LM301A) (U5B7101392)
MC1439	LO129	L	O	A	MO			SN72101A (LF356) (LM218)	(301) (LM301A) (U5B7101392)
MC1440	IS10	I	S	A	MO			(LM7524) 7525	(SN7525)

type	fig	1	2	3	4	europe	europe	america	america
MC1440	IS10	I	S	A	MO			7525 (SN7525)	(LM7524)
MC1440	IS10	I	S	A	MO			7525 (SN7525)	(LM7524)
MC1441	IS1	I	S	A	MO			7524 (SN7524)	(LM7524)
MC1441	IS1	I	S	A	MO			7524 (SN7524)	(LM7524)
MC1444	IS12	I	S	A	MO				
MC1445	IR15	I	R	A	MO			(μA733C) (733C)	(U3F7733312) (U5F7733393)
MC1445	IR15	I	R	A	MO			(μA733C) (733C)	(U3F7733312) (U5F7733393)
MC1445	IR15	I	R	A	MO			(μA733C) (733C)	(U3F7733312) (U5F7733393)
MC1446	IS13	I	S	A	MO			(μA733C) (U6A7733393)	(733 C)
MC1454	LK8	L	K	A	MO			(LM380)	
MC1455	LT3	L	T	A	MO			LM555C	
MC1455	LT1	L	T	A	MO			LM555C	
MC1456	LO1	L	O	A	MO			SN72771 (LF356) RC1556 (LM308)	(μA725C) MC1456 (725C) (U5T7725393)
MC1456	LO1	L	O	A	S			SN72771 (LF356) RC1556 (LM308)	(μA725C) MC1456 (725C) (U5T7725393)
MC1456	LO14	L	O	A	S			SN72771 (LF356) RC1556 (LM308)	(μA725C) MC1456 (725C) (U5T7725393)
MC1456C	LO1	L	O	A	MO				
MC1458	LO28	L	O	A	MO			SN72558 LM1458 RC1458 (U5F7747393)	1458 MC1458 RC4558
MC1458	LO121	L	O	A	MO			SN72558 LM1458 RC1458 (U5F7747393)	1458 MC1458 RC4558
MC1458	LO28	L	O	A	S			SN72558 LM1458 RC1458 (U5F7747393)	1458 MC1458 RC4558
MC1458	LO26	L	O	A	S			SN72558 LM1458 RC1458 (U5F7747393)	1458 MC1458 RC4558
MC1458C	LO28	L	O	A	MO			(LM1458)	RC1556

type	fig	1	2	3	4	europe	europe	america	america
MC1458C	LO121	L	O	A	MO			(LM1458)	RC1556
MC1458C	LO26	L	O	A	MO			(LM1458)	RC1556
MC1458C	LO121	L	O	A	MO			(LM1458)	RC1556
MC1460	LV20	L	V	A	MO			(SN72723) (723 C) (U5R7723312)	(μA723 C) (U5R7723393) (LM305)
MC1460	LV20	L	V	A	MO			(SN72723) (LM305) (U5R7723393)	(μA723 C) 723 C) (U5R7723312)
MC1461	LV20	L	V	A	MO			(SN72723) (LM305) (U5R7723393)	(μA723 C) (723 C)
MC1461	LV20	L	V	A	MO			(SN72723) (LM305) (U5R7723393)	(μA723 C) (723 C)
MC1463	LV21	L	V	A	MO			(SN72723) (LM304) (U5R7723393)	(μA723 C) (723 C)
MC1463	LV21	L	V	A	MO			(SN72723) (LM304) (U5R7723393)	(μA723 C) (723 C)
MC1466	LV22	L	V	A	MO			(SN72723) (LM304) (U6A7723393)	(μA723 C) (723 C)
MC1468	LV23	L	V	A	MO			(LM325)	
MC1468	LV23	L	V	A	MO			(LM325)	
MC1468	LV23	L	V	A	MO			(LM325)	
MC1469	LV24	L	V	A	MO			(SN72723) (LM305) (U5R7723393)	(μA723 C) (723 C)
MC1469	LV24	L	V	A	MO			(SN72723) (LM305) (U5R7723393)	(μA723 C) (723 C)
MC1488	IT1	I	T	A	MO			SN75188 LM1488 (U6A9616393)	(9616 C) RC1488
MC1489	IR1	I	R	A	MO			SN75189 LM1489 (U6A9617393)	(9617C) RC1489
MC1489A	IR1	I	R	A	MO			SN75189A LM1489A	(U6A9617393)
MC1494	LM7	L	M	A	MO				
MC1495	LM8	L	M	A	MO			U6A7795393	
MC1496	LM9	L	B	A	MO			μA796C MC1496 U5E7796393	LM1496 796C
MC1496	LM10	L	B	A	MO			μA796C MC1496 U5E7796393	LM1496 796C

type	fig	1	2	3	4	europe	europe	america	america
MC1496	LM9	L	B	A	S			µA796 C LM1496 U5E7796393	MC1496 796 C
MC1496	LM10	L	B	A	S			µA796 C 796 C U5E7796393	MC1496 LM1496
MC1505 Ψ		I	A	A	MO				
MC1506	ID5	I	D	A	MO				
MC1507	ID5	I	A	A	MO				
MC1508L8		I	D	A	MO				
MC1510	LR80	L	R	A	MO			SN5510 (LM733) (U3F7733312)	(µA733) (733) (U5F7733312)
MC1514	LC28	L	C	A	MO			SN52514 LM1514	(U6A7711312) RM1514
MC1520	LO124	L	O	A	MO			(SN5511) (LM733) (U5B7101311)	(101) (U3F7101311)
MC1520	LO124	L	O	A	MO			(SN5511) (LM733) (U5B7101311)	(101) (U3F7101311)
MC1530	LO125	L	O	A	MO			(SN52702) (LM101A) (U3F7702312)	(µA702) (702) (U5B7702312)
MC1530	LO125	L	O	A	MO			(SN52702) (LM101A) (U3F7702312)	(µA702) (702) (U5B7702312)
MC1531	LO125	L	O	A	MO			(SN52702) (LM101A) (U3F7702312)	(µA702) (702) (U5B7702312)
MC1531	LO125	L	O	A	MO			(SN52702) (LM101A) (U3F7702312)	(µA702) (702) (U5B7702312)
MC1533	LO126	L	O	A	MO			(SN52101A) (LM101A) (U5B7101311)	101 (U3F7101311) (U6A7101311)
MC1533	LO126	L	O	A	MO			(SN52101A) (LM101A) (U5B7101311)	101 (U3F7101311) (U6A7101311)
MC1533	LO126	L	O	A	MO			(SN52101A) (LM101A) (U5B7101311)	101 (U3F7101311) (U6A7101311)
MC1535	LO127	L	O	A	MO			(LM1303) (749)	(µA749) (U6A7749312)

type	fig	1	2	3	4	europe	europe	america	america
MC1535	LO127	L	O	A	MO			(µA749) (749)	(LM1303) (U6A7749312)
MC1535	LO127	L	O	A	MO			(µA749) (749)	)LM1303) (U6A7749312)
MC1536	LO1	L	O	A	MO			(µA741) (LM143) (U5B7741312)	LM1536 (741)
MC1537	LO128	L	O	A	MO			(µA749) RM1537 (LM1458-14)	LM1558) (749) (U6A7749312)
MC1538	LK7	L	K	A	MO			(LH0002)	
MC1539	LO129	L	O	A	MO			(SN52101A) (LF156) (U5B7101311)	(101) (LM101A) (U6A7101311)
MC1539	LO129	L	O	A	MO			(SN52101A) (LF156) (U5B7101311)	(101) (LM101A) (U6A7101311)
MC1540	IS10	I	S	A	MO			(7525) (SN7525)	(LM5524)
MC1540	IS10	I	S	A	MO			(7525) (SN7525)	(LM5524)
MC1540	IS10	I	S	A	MO			(7525) (SN7525)	(LM 5524)
MC1541	IS1	I	S	A	MO			(7524) (SN7524)	(LM5524)
MC1541	IS1	I	S	A	MO			(7524) (SN7524)	(LM5524)
MC1543	IS11	I	S	A	MO			(7524)	(SN7524)
MC1544	IS12	I	S	A	MO				
MC1545	IR15	I	R	A	MO			(µA733) (733) (U5F7733312)	(U6A7733312) (U3F7733312)
MC1545	IR15	I	R	A	MO			(µA733) (733) (U5F7733312)	(U6A7733312) (U3F7733312)
MC1545	IR15	I	R	A	MO			(µA733) (733) (U5F7733312)	(U6A7733312) (U3F7733312)
MC1550	LR81	L	R	A	MO			(µA757) (757)	(LM171) (U6A7757312)
MC1550	LR81	L	R	A	MO			(µA757) (757)	(LM171) (U6A7757312)
MC1552	LR82	L	R	A	MO			(µA715) (715)	(LM733) (U5F7715312)
MC1553	LR83	L	R	A	MO			(LM733) (715)	(µA715) (U5F7715312)
MC1554	LK8	L	K	A	MO			(LM380)	
MC1555	LT3	L	T	A	MO			LM555	

type	fig	1	2	3	4	europe	europe	america	america
MC1556	LO1	L	O	A	MO			SN52771 (LF156) (725) (U5T7725312)	(μA725) RM1556 (LM108)
MC1558	LO28	L	O	A	MO			SN52558 LM1558 (U5F7747312)	1558 RM4558 (U6A7747312)
MC1558	LO26	L	O	A	MO			SN52558 LM1558 (U5F7747312)	1558 RM4558 (U6A7747312)
MC1560	LV20	L	V	A	MO			SN52723 (LM105) (U5R7723312)	(μA723) (723)
MC1560	LV20	L	V	A	MO			SN52723 (LM105) (U5R7723312)	(μA723) (723)
MC1561	LV20	L	V	A	MO			(SN52723) (LM105) (U5R7723312)	(μA723) (723)
MC1561	LV20	L	V	A	MO			(SN52723) (LM105) (U5R7723312)	(μA723) (723)
MC1563	LV21	L	V	A	MO			(SN52723) (LM104) (U5R7723312)	(μA723) (723)
MC1563	LV21	L	V	A	MO			(SN52723) (LM104) (U5R7723312)	(μA723) (723)
MC1566	LV22	L	V	A	MO			(SN52723) (LM104) (U6A7723312)	(μA723) (723)
MC1568	LV23	L	V	A	MO			(LM325)	
MC1568	LV23	L	V	A	MO			(LM325)	
MC1568	LV23	L	V	A	MO			(LM325)	
MC1569	LV24	L	V	A	MO			(SN52723) (LM105) (U5R7723312)	(μA723) (723)
MC1569	LV24	L	V	A	MO			(SN52723) (LM105) (U5R7723312)	(μA723) (723)
MC1585	IT10	I	T	A	MO				
MC1590	IR16	I	R	A	MO			(LM170) (757)	(μA757) (U6A7757393)
MC1594	LM7	L	M	A	MO				
MC1595	LM8	L	M	A	MO			U6A7795393	
MC1596	LM9	L	B	A	MO			SN56514 LM1596 U6A7796312	μA796 796
MC1596	LM10	L	B	A	MO			SN56514 LM1596 U6A7796312	μA796 796

type	fig	1	2	3	4	europe	europe	america	america
MC1709	LO114	L	O	A	MO			SN52709 LM709 RM709 U3F7709312	μA709 SF.C2709 709 U6A7709312
MC1709	LO112	L	O	A	MO			SN52709 SF.C2709 709 U3F7709312	LM709 RM709 μA709 U6A7709312
MC1709	LO115	L	O	A	MO			SN52709 LM709 RM709 U3F7709312	μA709 SF.C2709 709 U6A7709312
MC1709C	LO114	L	O	A	MO			U5B7709393 SF.C2709 U6A7709393	(LM709C) RC709
MC1709C	LO112	L	O	A	MO			U5B7709393 SF.C2709C U6A7709393	(LM709C) RC709
MC1709C	LO115	L	O	A	MO			(LM709C) U5B7709393 U6A7709393	RC709 SF.C2709C
MC1709C	LO113	L	O	A	MO			(LM709C) U5B7709393 U6A7709393	RC709 SF.C2709C
MC1709C	LO115	L	O	A	MO			U5B7709393 SF.C2709C U6A7709393	(LM709C) RC709
MC1710	LC24	L	C	A	MO			SN52710 LM710 RM710 U6A7710312 (SN52810)	μA710 SF.C2710 U5B7710312 710 U3F7710312
MC1710	LC21	L	C	A	MO			SN52710 LM710 RM710 U6A7710312 (SN52810)	μA710 SF.C2710 U5B7710312 710 U3F7710312
MC1710	LC22	L	C	A	MO			SN52710 LM710 RM710 U6A7710312 (SN52810)	μA710 SF.C2710 U5B7710312 710 U3F7710312
MC1710C	LC24	L	C	A	MO			U3F7710312 SF.C2710 U5B7710393	(LM710C) RC710 U6A7710393
MC1710C	LC21	L	C	A	MO			U3F7710312 SF.C2710C U5B7710393	(LM710C) RC710 U6A7710393
MC1710C	LC22	L	C	A	MO			U3F7710312 SF.C2710C U5B7710393	(LM710C) RC710 U6A7710393
MC1710C	LC22	L	C	A	MO			U3F7710312 SF.C2710C U5B7710393	(LM710C) RC710 U6A7710393
MC1711	LC27	L	C	A	MO			SN52711 LM711 RM711 711 U5F7711312	μA711 SF.C2711 U6A7711312 U3F7711312

type	fig	1	2	3	4	europe	europe	america	america
MC1711	LC25	L	C	A	MO			SN52711 LM711 RM711 711 U5F7711312	μA711 SF.C2711 U6A7711312 U3F7711312
MC1711	LC26	L	C	A	MO			SN52711 LM711 RM711 711 U5F7711312	μA711 SF.C2711 U6A7711312 U3F7711312
MC1711C	LC27	L	C	A	MO			U5F7711393 SF.C2711C U6A7711393	(LM711) RC711
MC1711C	LC25	L	C	A	MO			U5F7711393 SF.C2711C U6A7711393	(LM711) RC711
MC1711C	LC26	L	C	A	MO			U5F7711393 SF.C2711C U6A7711393	(LM711) RC711
MC1711C	LC26	L	C	A	MO			U5F7711393 SF.C2711C U6A7711393	(LM711) RC711
MC1712	LO132	L	O	A	MO			SN52702 (LM733) 702 U6A7702312	μA702 RM702 U3F7702312
MC1712	LO130	L	O	A	MO			SN52702 (LM733) 702 U6A7702312	μA702 RM702 U3F7702312
MC1712	LO131	L	O	A	MO			SN52702 (LM733) 702 U6A7702312	μA702 RM702 U3F7702312
MC1712C	LO132	L	O	A	MO			U3F7702312 RC702 U6A7702393	(LM733C) U5B7702393
MC1712C	LO130	L	O	A	MO			U3F7702312 RC702 U6A7702393	(LM733C) U5B7702393
MC1712C	LO131	L	O	A	MO			U3F7702312 RC702 U6A7702393	(LM733C) U5B7702393
MC1723	LV2	L	V	A	MO			SN52723 LM723 RM723 U5R7723312	μA723 SF.C2723 723 U6A7723312
MC1723	LV1	L	V	A	MO			SN52723 LM723 RM723 U5R7723312	μA723 SF.C2723 723 U6A773312
MC1723C	LV2	L	V	A	MO			U5R7723393 SF.C2723C U6A7723393	LM723C RC723
MC1723C	LV1	L	V	A	MO			U5R7723393 SF.C2723C U6A7723393	LM723C RC723
MC1733	LR42		R	A	MO			SN52733 RM733	LM733
MC1733	LR44		R	A	MO			SN52733 RM733	LM733
MC1733C	LR42		R	A	MO			LM733C	RC733

type	fig	1	2	3	4	europe	europe	america	america
MC1733C	LR44	L	R	A	MO			LM733C	RC733
MC1741	LO119	L	O	A	MO			SN52741 LM741 RM741 U6A7741312 U3F7741312	μA741 SF.C2741 U5B7702312 741 U5B7741312
MC1741	LO1	L	O	A	MO			SN52741 LM741 RM741 U6A7741312 U3F7741312	μA741 SF.C2741 U5B7702312 741 U5B7741312
MC1741	LO70	L	O	A	MO			SN52741 LM741 RM741 U6A7741312 U3F7741312	μA741 SF.C2741 U5B7702312 741 U5B7741312
MC1741C	LO119	L	O	A	MO			U3F7741312 SF.C2741C U9T7741393 U5B7741393	LM741 RC741 LM741-14 U6A7741393
MC1741C	LO1	L	O	A	MO			U3F7741312 SF.C2741C U9T7741393 U5B7741393	LM741 RC741 LM741-14 U6A7741393
MC1741C	LO70	L	O	A	MO			U3F7741312 SF.C2741C U9T7741393 U5B7741393	LM741 RC741 LM741-14 U6A7741393
MC1741C	LO14	L	O	A	MO			U3F7741312 SF.C2741C U9T7741393 U5B7741393	LM741 RC741 LM741-14 U6A7741393
MC1741C	LO70	L	O	A	MO			U3F7741312 SF.C2741C U9T7741393 U5B7741393	LM741 RC741 LM741-14 U6A7741393
MC1741S	LO1	L	O	A	MO				
MC1741SC	LO1	L	O	A	MO				
MC1741SC	LO14	L	O	A	MO				
MC1747	LO120	L	O	A	MO			747	LM747
MC1747	LO119	L	O	A	MO			747	LM747
MC1747	LO25	L	O	A	MO			747	LM747
MC1747C	LO120	L	O	A	MO			LM747C	
MC1747C	LO119	L	O	A	MO			LM747C	
MC1747C	LO25	L	O	A	MO			LM747C	
MC1748	LO53	L	O	A	MO			SN52748 LM748 RM748	μA748 SF.C2748 748
MC1748	LO3	L	O	A	MO			SN52748 LM748 RM748	μA748 SF.C2748 748
MC1748C	LO3	L	O	A	MO			LM748C RC748	SF.C2748C
MC1776	LO65	L	O	A	MO			LM4250	

type	fig	1	2	3	4	europe	europe	america	america
MC1776C	LO65	L	O	A	MO			LM4250C	
MC3301	LO48	L	O	A	MO			LM3301	LM2901-14
MC3302	LC15	L	C	A	MO			LM3302	LM339A
MC3302	LC15	L	C	A	S			LM3302	LM339A
MC3401	LO48	L	O	A	MO			LM3401	LM3900
MC3403 Ψ		L	O	A	MO			LM348	
MC3430 Ψ		L	C	A	MO				
MC3431 Ψ		L	C	A	MO				
MC3432 Ψ		L	C	A	MO				
MC3433 Ψ		L	C	A	MO				
MC3459 Ψ		I	M	A	MO				
MC3460 Ψ		I	M	A	MO				
MC3462 Ψ		I	R	A	MO				
MC3463 Ψ		I	T	A	MO				
MC3503 Ψ		L	O	A	MO				
MC3537 Ψ		I	R	A	MO				
MC3538 Ψ		I	O	A	MO				
MC3570 Ψ		L	O	A	MO				
MC5528	IS7	I	S	A	MO			DS5528	
MC5529	IS7	I	S	A	MO			DS5529	
MC5529	IS7	I	S	A	MO			DS5529	
MC5534	IS6	I	S	A	MO			DS5534	
MC5535	IS8	I	S	A	MO			DS5535	
MC5535	IS8	I	S	A	MO			DS5535	
MC5538	IS9	I	S	A	MO			DS5538	
MC5539	IS9	I	S	A	MO			DS5539	
MC5539	IS9	I	S	A	MO			DS5539	
MC7520	IS4	I	S	A	MO			SN7520 RC7520	DS7520
MC7521	IS4	I	S	A	MO			SN7521 RC7521	DS7521
MC7522	IS5	I	S	A	MO			SN7522 RC7522	DS7522
MC7523	IS5	I	S	A	MO			SN7523 RC7523	DS7523
MC7524	IS6	I	S	A	MO			SN7524 RC7524	DS7524
MC7525	IS6	I	S	A	MO			SN7525 RC7525	DS7525

type	fig	1	2	3	4	europe	europe	america	america
MC7528	IS7	I	S	A	MO			SN7528 RC7528	DS7528
MC7528	IS7	I	S	A	MO			SN7528 RC7528	DS7528
MC7529	IS7	I	S	A	MO			SN7529 RC7529	DS7529
MC7529	IS7	I	S	A	MO			SN7529 RC7529	DS7529
MC7534	IS8	I	S	A	MO			SN75232	DS7534
MC7534	IS8	I	S	A	MO			SN75232	DS7534
MC7535	IS6	I	S	A	MO			SN75233	DS7535
MC7535	IS6	I	S	A	MO			SN75233	DS7535
MC7538	IS7	I	S	A	MO			SN75238	DS7538
MC7538	IS7	I	S	A	MO			SN75238	DS7538
MC7539	IS7	I	S	A	MO			SN75239	DS7539
MC7539	IS7	I	S	A	MO			SN75239	DS7539
MC7705C	LV5	L	V	A	MO			(LM341-5. 0)	
MC7706C	LV5	L	V	A	MO			(LM341-6. 0)	
MC7708C	LV5	L	V	A	MO			(LM341-8. 0)	
MC7712C	LV5	L	V	A	MO			(LM341-12)	
MC7715C	LV5	L	V	A	MO			(LM341-15)	
MC7718C	LV5	L	V	A	MO			(LM341-18)	
MC7720C	LV5	L	V	A	MO			(LM341-18)	
MC7724C	LV5	L	V	A	MO			(LM341-24)	
MC7805C	LV4	L	V	A	MO			SN72905 LM340-5. 0	µA7805C RC7805
MC7805C	LV5	L	V	A	MO			SN72905 LM340-5. 0	µA7805C RC7805
MC7806C	LV4	L	V	A	MO			SN72906 LM340-6. 0	µA7806C RC7806
MC7806C	LV5	L	V	A	MO			SN72906 LM340-6. 0	µA7806C RC7806
MC7808C	LV4	L	V	A	MO			SN72908 LM340-8. 0	µA7808C RC7808
MC7808C	LV5	L	V	A	MO			SN72908 LM340-8. 0	µA7808C RC7808
MC7812C	LV4	L	V	A	MO			SN72912 LM340-12	µA7812 RC7812
MC7812C	LV5	L	V	A	MO			SN72912 LM340-12	µA7812 RC7812
MC7815C	LV4	L	V	A	MO			SN72915 LM340-15	µA7815C RC7815
MC7815C	LV5	L	V	A	MO			SN72915 LM340-15	µA7815C RC7815

type	fig	1	2	3	4	europe	europe	america	america
MC7818C	LV4	L	V	A	MO			SN72918 LM340-18	μA7818 C RC7818
MC7818	LV5	L	V	A	MO			SN72918 LM340-18	μA7818 C RC7818
MC7824C	LV4	L	V	A	MO			SN72924 LM340-24	μA7824 C RC7824
MC7824C	LV5	L	V	A	MO			SN72924 LM340-24	μA7824 C RC7824
MC7902C	LV4	L	V	A	MO				
MC7902C	LV5	L	V	A	MO				
MC7905C	LV4	L	V	A	MO			LM320-5.0	
MC7905C	LV5	L	V	A	MO			LM320-5.0	
MC7905.2C	LV4	L	V	A	MO			LM320-5.2	
MC7905.2C	LV5	L	V	A	MO			LM320-5.2	
MC7906C	LV4	L	V	A	MO			LM320-6.0	
MC7906C	LV5	L	V	A	MO			LM320-6.0	
MC7908C	LV4	L	V	A	MO			LM320-8.0	
MC7908C	LV5	L	V	A	MO			LM320-8.0	
MC7912C	LV4	L	V	A	MO			LM320-12	
MC7912C	LV5	L	V	A	MO			LM320-12	
MC7915C	LV4	L	V	A	MO			LM320-15	
MC7915C	LV5	L	V	A	MO			LM320-15	
MC7918C	LV4	L	V	A	MO			LM320-18	
MC7918C	LV5	L	V	A	MO			LM320-18	
MC7924C	LV4	L	V	A	MO			LM320-24	
MC7924C	LV5	L	V	A	MO			LM320-24	
MC13120Ψ		L	R	A	MO	TBA120			
MC55107	IR11	I	R	A	MO			SN55107A (55107A)	(μA55107A)
MC55107	IR11	I	R	A	MO			SN55107A (55107A)	(μA55107A)
MC55108	IR11	I	R	A	MO			SN55108A (55108A)	(μA55108A)

type	fig	1	2	3	4	europe	europe	america	america
MC55108	IR11	I	R	A	MO			SN55108A (55108A)	(μA55108A)
MC55325	IM23	I	M	A	MO				
MC55325	IM23	I	M	A	MO				
MC75107	IR11	I	R	A	MO			(75107A)	(μA75107A)
MC75107	IR11	I	R	A	MO			(75107A)	(μA75107A)
MC75108	IR11	I	R	A	MO			(75108A)	(μA75108A)
MC75108	IR11	I	R	A	MO			(75108A)	(μA75108A)
MC75109	IT5	I	T	A	MO			75109	μA75109
MC75109	IT5	I	T	A	MO			75109	μA75109
MC75110	IT5	I	T	A	MO			75110	μA75110
MC75110	IT5	I	T	A	MO			75110	μA75110
MC75113	IT11	I	T	A	MO				
MC75140Ψ		I	R	A	MO				
MC75325	IM23	I	M	A	MO			SN75325 75325	μA75325
MC75325	IM23	I	M	A	MO			SN75325 75325	μA75325
MC75450	IP21	I	P	A	MO			SN75450B LM75450-14	SN75450A
MC75450	IP21	I	P	A	MO			SN75450B LM75450-14	SN75450A
MC75451	IP1	I	P	A	MO			SN75451B LM75451	SN75451A
MC75452	IP2	I	P	A	MO			SN75452B LM75452	SN75452
MC75453	IP3	I	P	A	MO			SN75453B LM75453	SN75453
MC75454	IP4	I	P	A	MO			SN75454	LM75454
MC75491	II6	I	I	A	MO			SN75491	
MC75491	II6	I	I	A	MO			SN75491	
MC75492	II7	I	I	A	MO			SN75492	
MC75492	II7	I	I	A	MO			SN75492	
MH0007	IM24	I	M	A	NS				

type	fig	1	2	3	4	europe	europe	america	america
MH0007C	IM24	I	M	A	NS				
MH0009	IM25	I	M	A	NS				
MH0009C	IM25	I	M	A	NS				
MH0012	IM26	I	M	A	NS				
MH0012C	IM26	I	M	A	NS				
MH0013	IM27	I	M	A	NS			(MH0009)	
MH0013C	IM27	I	M	A	NS			(MH0009C)	
MH0025	IM4	I	M	A	NS				
MH0025C	IM4	I	M	A	NS			DS0025C Φ	
MH0025C	IM5	I	M	A	NS			DS0025C Φ	
MH0026	IM6	I	M	A	NS			MMH0026C Φ	
MH0026	IM4	I	M	A	NS			MMH0026C Φ	
MH0026C	IM6	I	M	A	NS			DS0026C Φ	
MH0026C	IM4	I	M	A	NS			DS0026C Φ	
MH0026C	IM5	I	M	A	NS			DS0026C Φ	
MH7803	IM21	I	M	A	NS				
MH7807	IM21	I	M	A	NS				
MH8803 Φ	IM21	I	M	A	NS			DS8803 Φ	
MH8803 Φ	IM21	I	M	A	NS			DS8803 Φ	
MH8804	IM28	I	M	A	NS				
MH8805	IM1	I	M	A	NS			SN75361	CA75361
MH8807 Φ	IM21	I	M	A	NS			DS8807 Φ	
MH8808	IM29	I	M	A	NS				
MH8808	IM29	I	M	A	NS				
MIC709.5	LO112	L	O	A	IT			SF.C2709C	
MIC710.5	LC21	L	C	A	IT			SF.C2710C	
MIC711.5	LC25	L	C	A	IT			SF.C2711C	
MIC712.5	LO130	L	O	A	IT				
MIC723.5	LV2	L	V	A	IT			SF.C2723C	
MIC726.5	LO133	L	O	A	IT				

type	fig	1	2	3	4	europe	europe	america	america
MIC741.5	LO1	L	O	A	IT			SF.C2741C	
MLM101A	LO3	L	O	A	MO			μA101A SF.C210A	LM101A 101A
MLM104	LV11	L	V	A	MO			LM104	
MLM105	LV13	L	V	A	MO			μA105 105	LM105
MLM107	LO17	L	O	A	MO			LM107 107	μA107
MLM109	LV6	L	V	A	MO			LM109 109	μA109
MLM109	LV4	L	V	A	MO			LM109 109	μA109
MLM111	LC10	L	C	A	MO				
MLM111	LC2	L	C	A	MO				
MLM111	LC6	L	C	A	MO				
MLM201A	LO3	L	O	A	MO			(μA201) SF.C2201A	LM201A (201)
MLM201A	LO4	L	O	A	MO			(μA201) SF.C2201A	LM201A (201)
MLM204	LV11	L	V	A	MO			LM204	
MLM205	LV13	L	C	A	MO			μA205 205	LM205
MLM207	LO17	L	O	A	MO			LM207 207	μA207
MLM209	LV6	L	V	A	MO			μA209 209	LM209
MLM209	LV4	L	V	A	MO			μA209 209	LM209
MLM211	LC10	L	C	A	MO			LM211	
MLM211	LC2	L	C	A	MO			LM211	
MLM211	LC6	L	C	A	MO			LM211	
MLM301A	LO3	L	O	A	MO			(μA301) SF.C2301A	LM301A (301)
MLM301A	LO4	L	O	A	MO			(μA301) SF.C2301A	LM301A (301)
MLM304	LV11	L	V	A	MO			LM304	
MLM305	LV13	L	V	A	MO			LM305 305	μA305
MLM307	LO17	L	O	A	MO			μA307 307	LM307
MLM309	LV6	L	V	A	MO			μA309 309	LM309
MLM309	LV4	L	V	A	MO			μA309 309	LM309

type	fig	1	2	3	4	europe	europe	america	america
MLM311	LC10	L	C	A	MO			LM311	
MLM311	LC2	L	C	A	MO			LM311	
MLM311	LC6	L	C	A	MO			LM311	
MLM311	LC6	L	C	A	MO			LM311	
MM450	LS61	L	S	A	NS				
MM451	LS62	L	S	A	NS				
MM452	LS63	L	S	A	NS				
MM452	LS63	L	S	A	NS				
MM454	LS65	L	S	A	NS				
MM455	LS64	L	S	A	NS				
MM550	LS61	L	S	A	NS				
MM551	LS62	I	S	A	NS				
MM552	LS63	I	S	A	NS				
MM552	LS63	I	S	A	NS				
MM554	LS65	I	S	A	NS				
MM555	LS64	I	S	A	NS				
MM4504	LS66	I	S	A	NS			AM2009	
MM4504	LS66	I	S	A	NS			AM2009	
MM5504	LS66	I	S	A	NS			AM2009C	
MM5504	LS66	I	S	A	NS			AM2009C	
MMH0026	IM6	I	M	A	MO				
MMH0026	IM6	I	M	A	MO				
MMH0026C	IM6	I	M	A	MO				
MMH0026C	IM8	I	M	A	MO				
N8T04				A	S				
N8T04				A	S				
N8T04				A	S				
N8T05				A	S				
N8T05				A	S				
N8T05				A	S				
N8T06				A	S				
N8T06				A	S				
N8T06				A	S				
N8T09	IT12	I	T	A	S				
N8T09	IT12	I	T	A	S				
N8T09	IT13	I	T	A	S				

type	fig	1	2	3	4	europe	europe	america	america
N8T10				A	S				
N8T10				A	S				
N8T10				A	S				
N8T13	IT6	I	T	A	S			SN75121 LM75121 μA8T13	8T13 RC8T13
N8T13	IT6	I	T	A	S			SN75121 LM75121 μA8T13	8T13 RC8T13
N8T13	IT6	I	T	A	S			SN7512 LM75121 μA8T13	8T13 RC8T13
N8T14	IR12	I	R	A	S			SN75122 LM75122 μA8T14	8T14 RC8T14
N8T14	IR12	I	R	A	S			SN75122 LM75122 μA8T14	8T14 RC8T14
N8T14	IR12	I	R	A	S			SN75122 LM75122 μA8T14	8T14 RC8T14
N8T15	IT14	I	T	A	S			(9616)	
N8T15	IT14	I	T	A	S			(9616)	
N8T16	IR17	I	R	A	S			(9627)	
N8T17	IR17	I	R	A	S			(9627)	
N8T18	IJ17	I	J	A	S				
N8T18	IJ17	I	J	A	S				
N8T18	IJ18	I	J	A	S				
N8T20				A	S				
N8T20				A	S				
N8T22				A	S				
N8T22				A	S				
N8T23	IT6	I	T	A	S			SN75123 LM75123 μA8T23	8T23 RC8T23
N8T23	IT6	I	T	A	S			SN75123 LM75123 μA8T23	8T23 RC8T23
N8T23	IT6	I	T	A	S			SN75123 LM75123 μA8T23	8T23 RC8T23
N8T24	IR12	I	R	A	S			SN75124 LM75124 μA8T24	8T24 RC8T24
N8T24	IR12	I	R	A	S			SN75124 LM75124 μA8T24	8T24 RC8T24

type	fig	1	2	3	4	europe	europe	america	america
N8T25	IS3	I	S	A	S			LM3625	
N8T26	IN16	I	N	A	S				
N8T26	IN16	I	N	A	S				
N8T30	IL1	I	L	A	S				
N8T30	IL1	I	L	A	S				
N8T34	IN3	I	N	A	S			DM8834	
N8T37	IR5	I	R	A	S			DM8837	
N8T38	IR6	I	N	A	S			DM8838	
N8T51B				A	S				
N8T54B				A	S				
N8T548				A	S				
N8T59F				A	S				
N8T59F				A	S				
N8T71B				A	S				
N8T71B				A	S				
N8T74B				A	S				
N8T74B				A	S				
N8T75B				A	S				
N8T75B				A	S				
N8T79F				A	S				
N8T79F				A	S				
N8T80	IJ19	I	J	A	S				
N8T80	IJ19	I	J	A	S				
N8T80	IJ20	I	J	A	S				
N8T90	IJ7	I	J	A	S				
N8T90	IJ7	I	J	A	S				
N8T90	IJ21	I	J	A	S				
N8T93	IJ1	I	R	A	S			74S04C	74S05C
N8T93	IJ1	I	R	A	S			74S04C	74S05C
N8T94	IJ1	I	R	A	S			74S04C	74S05C
N8T94	IJ1	I	R	A	S			74S04C	74S05C
N8T95	IJ22	I	J	A	S			DM8095	
N8T95	IJ22	I	J	A	S			DM8095	
N8T96	IJ23	I	J	A	S			DM8096	
N8T96	IJ23	I	J	A	S			DM8096	
N8T97	IJ24	I	J	A	S			DM8097	

type	fig	1	2	3	4	europe	europe	america	america
N8T98	IJ25	I	J	A	S			DM8098	
N8T98	IJ25	I	J	A	S			DM8098	
N8T100		I	T	A	S				
N8T110		I	R	A	S				
N8T363	LZ4	L	Z	A	S				
N8T380	IR4	I	R	A	S			DM8836	SP380
N75S107	IR11	I	R	A	S				
N75S108	IR11	I	R	A	S				
N3207A	IJ26	I	S	A	S			LM7521	
N3207A-1	IJ26	I	S	A	S				
N7520B	IS4	I	S	A	S			LM7520	MC7520
N7521	IS4	I	S	A	S			LM7521 MC7521	(μA7524) (7524)
N7522	IS5	I	S	A	S			(μA7524) LM7522	MC7522 (7524)
N7523	IS5	I	S	A	S			(μA7524) LM7523	MC7523 (7524)
N7524	IS6	I	S	A	S		SF.C2524	μA7524 LM7524	MC7524 7524
N7525	IS6	I	S	A	S		SF.C2525	μA7525 LM7525	MC7525 7525
N75451	IP1	I	P	A	S			(μA75451A)	(75451A)
N75452	IP2	I	P	A	S				
N75453	IP3	I	P	A	S				
N75454	IP4	I	P	A	S				
NE501	LR84	L	R	A	S			(U5B7733393) (MC1733C) (733)	(μA733) (LM733C)
NE501	LR85	L	R	A	S			(U5B7733393) (MC1733C) (733)	(μA733) (LM733C)
NE510	LD1	L	D	A	S			(U6A7754394) (LM371)	(μA730) (730)
NE511	LD2	L	D	A	S			(CA3045) (LM371)	(μA3045) (3045)
NE515	LD3	L	D	A	S			(U5B7730393) (MC1420) (730)	(μA730) (LM733) μA733
NE515	LD4	L	D	A	S			(U5B7730393) (MC1420)	(μA730) (LM733)
NE521	LC29	L	C	A	S			(DM75107)	(75107)
NE521	LC29	L	C	A	S			(DM75107)	(75107)
NE522	LC29	L	C	A	S			(DM75108)	(DM75108)

type	fig	1	2	3	4	europe	europe	america	america
NE522	LC29	L	C	A	S			(75108)	(DM75108)
NE526	LC30	L	C	A	S			(U5B7710393) (LM361) (LM306)	(μA710) (710) (μA760)
NE526	LC31	L	C	A	S			(U5B7710393) (LM361) (LM306)	(μA710) (710) (μA760)
NE527	LC32	L	C	A	S			(μA760) (760)	(LM361)
NE527	LC33	L	C	A	S			(μA760) 760	(LM361)
NE529	LC19	L	C	A	S			(μA760) (760)	LM361
NE529	LC20	L	C	A	S			(μA760) (760)	LM361
NE531	LO9	L	O	A	S			(U5F7715393) (MC1439) RC4531	(μA715) (LM318) (715)
NE531	LO134	L	O	A	S			(U5F7715393) (MC1439) RC4531	(μA715) (LM318) (715)
NE536	LO1	L	O	A	S			U5B7740393 (LF356) (LM316)	μA740 (740)
NE540	LK9	L	K	A	S			(LH0021C)	(MFC8020)
NE543V		L	X	A	S			(LM380)	
NE545		L	X	A	S				
NE546	LR59	L	R	A	S			(LM1820)	
NE550	LV1	L	V	A	S			(U5R7723393) (MFC6030) (723)	(μA723) (LM723C)
NE550	LV2	L	V	A	S			(U5R7723393) (MFC6030) (723)	(μA723) (LM723C)
NE555	LT3	L	T	A	S			μA555 LM555C	MC1455
NE555	LT1	L	T	A	S			μA555 LM555C	MC1455
NE555C	LT3	L	T	A	S			LM555C	
NE555C	LT1	L	T	A	S			LM555C	
NE556	LT6	L	T	A	S			LM556C	μA556
NE560	LL4	L	L	A	S				
NE561	LL5	L	L	A	S				
NE562	LL6	L	L	A	S				
NE562	LL6	L	L	A	S				
NE563		L	R	A	S				

type	fig	1	2	3	4	europe	europe	america	america
NE565	LL3	L	L	A	S			LM565C	
NE565	LL3	L	L	A	S			LM565C	
NE566	LX3	L	F	A	S			LM566C	
NE566	LX3	L	F	A	S			LM566C	
NE567	LX4	L	L	A	S			LM567C	
NE567	LX4	L	L	A	S			LM567C	
NE592	LR44	L	R	A	S			(μA733) (733)	LM733C
NE592	LR42	L	R	A	S			(μA733) (733)	LM733C
NH0006C Φ	IH1	I	H	A	NS			DH0006C Φ	
NH0006C Φ	IH2	I	H	A	NS			DH0006C Φ	
NH0008C Φ	IH3	I	H	A	NS			DH0008C Φ	
NH0008C Φ	IH4	I	H	A	NS			DH0008C Φ	
NH0011C Φ	IH5	I	H	A	NS			DH0011C Φ	
NH0011C Φ	IH5	I	H	A	NS			DH0011C Φ	
NH0016C Φ	IH5	I	H	A	NS			DH0016C Φ	
NH0017C Φ	IH5	I	H	A	NS			DH0017C Φ	
NH0018C Φ	IH5	I	H	A	NS			DH0018C Φ	
NH0028C Φ	IX1	I	X	A	NS			DH0028C Φ	
NH0028C Φ	IX2	I	A	A	NS			DH0028C Φ	
OM200/S2	LA16	L	A	E	PH	TAA131			
P1	LX6	L	X	E	SI				
PSM6501	LV25	L	V	A	NS				
RC8T13	IT6	I	T	A	RY			LM75121 SN75121	μA8T13 8T13
RC8T13	IT6	I	T	A	RY			LM75121 SN75121	μA8T13 8T13
RC8T14	IR12	I	R	A	RY			LM75122 SN75122	μA8T14 8T14
RC8T14	IR12	I	R	A	RY			LM75122 SN75122	μA8T14 8T14
RC8T23	IT6	I	T	A	RY			LM75123 SN75123	μA8T23 8T23
RC8T23	IT6	I	T	A	RY			LM75123 SN75123	μA8T23 8T23
RC8T24	IR12	I	R	A	RY			LM75124 SN75124	μA8T24 8T24
RC8T24	IR12	I	R	A	RY			LM75124 SN75124	μA8T24 8T24

type	fig	1	2	3	4	europe	europe	america	america
RC555	LT1	L	T	A	RY			LM555 MC1555	μA555 NE555
RC555	LT3	L	T	A	RY			LM555 MC1555	μA555 NE555
RC556	LT6	L	T	A	RY			NE556	μA556
RC556	LT6	L	T	A	RY			NE556	μA556
RC592	LR44	L	R	A	RY			μA 733 C	
RC592	LR44	L	R	A	RY			μA 733 C	
RC592	LR42	L	R	A	RY			μA 733 C	
RC702	LO131	L	O	A	RY				
RC702	LO131	L	O	A	RY				
RC702	LO131	L	O	A	RY				
RC702	LO132	L	O	A	RY				
RC702	LO130	L	O	A	RY				
RC709	LO115	L	O	A	RY			μA 709	
RC709	LO113	L	O	A	RY			μA 709	
RC709	LO112	L	O	A	RY			μA 709	
RC710	LC22	L	C	A	RY			μA 710	
RC710	LC23	L	C	A	RY			μA 710	
RC710	LC22	L	C	A	RY			μA 710	
RC710	LC24	L	C	A	RY			μA 710	
RC710	LC21	L	C	A	RY			μA 710	
RC710A	LC22	L	C	A	RY			μA 710	
RC710A	LC21	L	C	A	RY			μA 710	
RC711	LC26	L	C	A	RY			μA 711	
RC711	LC26	L	C	A	RY			μA 711	
RC711	LC27	L	C	A	RY			μA 711	
RC711	LC25	L	C	A	RY			μA 711	
RC711A	LC26	L	C	A	RY				
RC711A	LC27	L	C	A	RY				
RC711A	LC25	L	C	A	RY				
RC723	LV1	L	V	A	RY			LM723	μA 723 C
RC723	LV1	L	V	A	RY			LM723	μA 723 C

type	fig	1	2	3	4	europe	europe	america	america
RC723	LV2	L	V	A	RY			LM723	μA723C
RC725	LO116	L	O	A	RY			μA725C	
RC733	LR44	L	R	A	RY			μA733C	
RC733	LR44	L	R	A	RY			μA733C	
RC733	LR43	L	R	A	RY			μA733C	
RC733	LR42	L	R	A	RY			μA733C	
RC741	LO70	L	O	A	RY			μA741C	
RC741	LO14	L	O	A	RY			μA741C	
RC741	LO70	L	O	A	RY			μA741C	
RC741	LO1	L	O	A	RY			μA741C	
RC747	LO25	L	O	A	RY			μA747C	
RC747	LO25	L	O	A	RY			μA747C	
RC747	LO19	L	O	A	RY			μA747C	
RC748	LO135	L	O	A	RY			μA748C	
RC748	LO135	L	O	A	RY			μA748C	
RC748	LO3	L	O	A	RY			μA748C	
RC1150	IT15	I	T	A	RY				
RC1160	IR18	I	R	A	RY				
RC1414	LC28	L	C	A	RY				
RC1414	LC28	L	C	A	RY				
RC1437	LO128	L	O	A	RY				
RC1437	LO128	L	O	A	RY				
RC1458	LO26	L	O	A	RY				
RC1458	LO28	L	O	A	RY				
RC1488	IT1	I	T	A	RY			(9616)	
RC1488	IT1	I	T	A	RY			(9616)	
RC1489	IR1	I	R	A	RY			(9617)	
RC1489A	IR1	I	R	A	RY				
RC1556	LO70	L	O	A	RY				
RC1556	LO14	L	O	A	RY				
RC1556	LO1	L	O	A	RY				
RC1556A	LO70	L	O	A	RY				
RC1556A	LO14	L	O	A	RY				
RC1556A	LO1	L	O	A	RY				
RC3302	LC3	L	C	A	RY				
RC4131	LO70	L	O	A	RY				

type	fig	1	2	3	4	europe	europe	america	america
RC4131	LO14	L	O	A	RY				
RC4131	LO1	L	O	A	RY				
RC4132	LO70	L	O	A	RY			(LM4250C)	
RC4132	LO14	L	O	A	RY			(LM4250C)	
RC4132	LO1	L	O	A	RY			(LM4250C)	
RC4136	LO	L	O	A	RY			(µA4136)	(LM348)
RC4136	LO	L	O	A	RY			(µA4136)	(LM348)
RC4194	LV27	L	V	A	RY			(LM328)	
RC4194	LV26	L	V	A	RY			(LM328)	
RC4195	LV30	L	V	A	RY			(LM325)	
RC4195	LV29	L	V	A	RY			(LM325)	
RC4195	LV28	L	V	A	RY			(LM325)	
RC4531	LO137	L	O	A	RY			(LM318)	
RC4531	LO138	L	O	A	RY			(LM318)	
RC4531	LO9	L	O	A	RY			(LM318)	
RC4558	LO26	L	O	A	RY			µA4558	LM1458
RC4558	LO28	L	O	A	RY			µA4558	LM1458
RC7520	IS4	I	S	A	RY			SN7520 MC7520	7520C DS7520
RC7520	IS4	I	S	A	RY			SN7520 MC7520	7520C DS7520
RC7521	IS4	I	S	A	RY			SN7521 MC7521	7521C DS7521
RC7521	IS4	I	S	A	RY			SN7521 MC7521	7521C DS7521
RC7522	IS5	I	S	A	RY			SN7522 MC7522	7522C DS7522
RC7522	IS5	I	S	A	RY			SN7522 MC7522	7522C DS7522
RC7523	IS5	I	S	A	RY			SN7523 MC7523	7523C DS7523
RC7523	IS5	I	S	A	RY			SN7523 MC7523	7523C DS7523
RC7524	IS6	I	S	A	RY			SN7524 MC7524	7524C DS7524
RC7524	IS6	I	S	A	RY			SN7524 MC7524	7524C DS7524
RC7525	IS6	I	S	A	RY			SN7525 MC7525	7525C DS7525
RC7525	IS6	I	S	A	RY			SN7525 MC7525	7525C DS7525
RC7526	IS4	I	S	A	RY			SN7526 DS7526	7526C

type	fig	1	2	3	4	europe	europe	america	america
RC7526	IS14	I	S	A	RY			SN7526 DS7526	7526C
RC7527	IS14	I	S	A	RY			SN7526 DS7526	7526C
RC7527	IS14	I	S	A	RY			SN7527 DS7526	7526C
RC7528	IS7	I	S	A	RY			SN7528 MC7528	7528C DS7528
RC7528	IS7	I	S	A	RY			SN7528 MC7528	7528C DS7528
RC7529	IS7 IS7	I I	S S	A A	RY RY			SN7529 MC7529	7529C DS7529
RC7805	LV4	L	V	A	RY			SN72905 MC7805C	µA7805C LM340-5.0
RC7806	LV4	L	V	A	RY			SN72906 MC7806C	µA7806 C LM340-6.0
RC7808	LV4	L	V	A	RY			SN72908 MC7808C	µA7808 C LM340-8.0
RC7812	LV4	L	V	A	RY			SN72912 MC7812C	µA7812 C LM340-12
RC7815	LV5	L	V	A	RY			SN72915 MC7815C	µA7815 C LM340-15
RC7818	LV4	L	V	A	RY			SN72918 MC7818C	µA7818 C LM340-18
RC7824	LV4	L	V	A	RY			SN72924 MC7724C	µA7824 C LM340-24
RC9621	IT16	I	T	A	RY			9621 C	
RC9621	IT17	I	T	A	RY			9621 C	
RC9622	IR19	I	R	A	RY			9622 C	
RC9622	IR20.	I	R	A	RY			9622 C	
RC75107A	IR11	I	R	A	RY			75107A	SN75107A
RC75107A	IR11	I	R	A	RY			75107A	SN75107A
RC75108A	IR11	I	R	A	RY			75108A	SN75108A
RC75108A	IR11	I	R	A	RY			75108A	SN75108A
RC75109	IT5	I	T	A	RY			75109	SN75109A
RC75109	IT5	I	T	A	RY			75109	SN75109A
RC75110	IT5	I	T	A	RY			75110	SN75110A
RC75110	IT5	I	T	A	RY			75110	SN75110A
RC75150	IT7	I	T	A	RY			(9616)	SN75150A
RC75150	IT8	I	T	A	RY			(9616)	SN75150A
RC75150	IT7	I	T	A	RY			(9616)	SN75150A
RC75154	IR13	I	R	A	RY			(9617)	SN75154A
RC75154	IR13	I	R	A	RY			(9617)	SN75154A

type	fig	1	2	3	4	europe	europe	america	america
RC75324	IM31	I	M	A	RY			SN75324	
RC75324	IM31	I	M	A	RY			SN75324	
RC75324	IM30	I	M	A	RY			SN75324	
RC75325	IM23	I	M	A	RY			75325	SN75325
RC75325	IM23	I	M	A	RY			75325	SN75325
RC75326	IM32	I	M	A	RY			SN75326	
RC75326	IM32	I	M	A	RY			SN75326	
RC75327	IM33	I	M	A	RY			SN75327	
RC75327	IM33	I	M	A	RY			SN75327	
RM8311	LA18	L	A	A	RY			(LM4250)	
RM8311	LA17	L	A	A	RY			(LM4250)	
RM8312	LA18	L	A	A	RY			(LM4250)	
RM8312	LA17	L	A	A	RY			(LM4250)	
RM8321	LA18	L	A	A	RY			(LM4250)	
RM8321	LA17	L	A	A	RY			(LM4250)	
RM8322	LA18	L	A	A	RY			(LM4250)	
RM8322	LA17	L	A	A	RY			(LM4250)	
RM8341	LA20	L	A	A	RY			(LM4250)	
RM8341	LA19	L	A	A	RY			(LM4250)	
SO41	LR86	L	R	E	SI				
SO41	LR86	L	R	E	SI				
SO42	LR87	L	R	E	SI				
SO42	LR87	L	R	E	SI				
SAA1000	LR88	L	R	A	IT				
SAA1010	LR89	L	R	A	IT				
SAA1024	LR90	L	R	A	IT				
SAA1025	LR91	L	R	A	IT				
SAB2000	LR92	L	R	E	TE				
SAB2010	LR93	L	R	E	TE				
SAB2020	LR94	L	R	E	TE				
SAH190	LE1	L	E	A	IT				
SAH200		L	E	A	IT				
SAH215	LE2	L	E	A	IT				
SAJ110	LE3	L	E	E	PH				
SAJ110	LE3	L	E	E	PH				
SAJ150	LX7	L	X	E	TE				

type	fig	1	2	3	4	europe	europe	america	america
SAJ180	LE4	L	E	E	SE	SF.F5002			
SAJ210	LE5	L	E	E	SG				
SAJ220	LX8	L	X	A	IT				
SAJ250	LX9	L	X	E	PH				
SAJ250	LX10	L	X	E	PH				
SAJ270	LX11	L	X	A	IT				
SAJ280		L	X	A	IT				
SAJ310	LX12	L	X	A	IT				
SAK115	LX13	L	X	A	IT				
SAS560	LX14	L	X	E	SI				
SAS560S	LX14	L	X	E	SI				
SAS570	LX14	L	X	E	SI				
SAS570S	LX14	L	X	E	SI				
SAS580	LX15	L	X	E	SI				
SAS590	LX15	L	X	E	SI				
SAS660	LX16	L	X	E	TE				
SAS670	LX16	L	X	E	TE				
SAY115	LX17	L	X	A	IT				
SFC307	LO17	L	O	E	SE				
SFC307C	LO22	L	O	E	SE				
SF.C308	LO5	L	O	E	SE				
SF.C308C	LO98	L	O	E	SE				
SF.C308A	LO5	L	O	E	SE				
SF.C309	LV6	L	V	E	SE				
SF.C309	LV4	L	V	E	SE				
SF.C606B	IX9	I	X	E	SE				
SF.C606C	IX9	I	X	E	SE				
SF.C2006	LR95	L	R	E	SE			SL612C	
SF.C2011	LR95	L	R	E	SE			SL611C	
SF.C2014 C	LV11	L	V	E	SE			UGJ7812393	
SF.C2014 T	LV11	L	V	E	SE				
SF.C2015 C		L	V	E	SE			UGJ7815393	
SF.C2015 T		L	V	E	SE				
SF.C2018C	LI1	L	I	E	SE			CA3018/5E	CA3018
SF.C2036C	LI1	L	I	E	SE			CA3036/5G	CA3036
SF.C2046 C	LI6	L	I	E	SE			CA3046/6A ML3046	CA3046 SG3821

type	fig	1	2	3	4	europe	europe	america	america
SF.C2054	LI6	L	I	E	SE			CA3054/6A SG3822	CA3054
SF.C2200	LV9	L	V	E	SE			LM200	SG200
SF.C2201A	LO3	L	O	E	SE	TAA12	TAA811	U3F7101333 LM201A ML201 AD201A	MLM201A SG201A AMLM201
SF.C2201A T	LO2	L	O	E	SE				
SF.C2204	LV11	L	V	E	SE			LM204	
SF.C2205	LV13	L	V	E	SE			LM205	SG205
SF.C2207	LO17	L	O	E	SE			LM207 ML207	SG207 AMLM207
SF.C2207 T		L	O	E	SE			LM207	SG207
SF.C2208	LO5	L	O	E	SE			AMLM208 AD208	SG208
SF.C2208A	LO5	L	O	E	SE				
SF.C2209	LV4	L	V	E	SE			UBN7109333 SG209	LM209
SF.C2209	LV6	L	V	E	SE			UBN7109333 SG209	LM209
SF.C2210	LG2	L	G	E	SE				
SF.C2211	LC2	L	C	E	SE			LM211 AMLM211	ML211
SF.C2218	LO10	L	O	E	SE				
SF.C2300	LV9	L	V	E	SE			LM300	SG300
SF.C2301A	LO3	L	O	E	SE	TAA811		SN72301A MLM301A N53A1 AMLM301A U9T7101392	U5B7101392 LM301A SG301A AD301A
SF.C2301AC	LO2	L	O	E	SE			SN72301A LM301A	U5B7101392 AD301A
SF.C2304	LV11	L	V	E	SE			LM304	
SF.C2305	LV13	L	V	E	SE			LM305	SG305
SF.C2310	LG2	L	G	E	SE				
SF.C2310 C	LG3	L	G	E	SE				
SF.C2311	LC2	L	C	E	SE			LM311	ML311
SF.C2311 C	LC11	L	C	E	SE			LM311	AMLM311
SF.C2315 C	LO139	L	O	E	SE				
SF.C2318	LO10	L	O	E	SE				
SF.C2318 C	LO106	L	O	E	SE				
SF.C2376 C	LV19	L	V	E	SE			LM376	
SF.C2458 C	LO28	L	O	E	SE			1458C CA1458	MC1458

type	fig	1	2	3	4	europe	europe	america	america
SF.C2458 C	LO26	L	O	E	SE			1458C CA1458	MC1458
SF.C2524 C	IS6	I	S	E	SE	SAS141		SN5524 LM354 SN7524 LM5524	U7B7524393 N7524 SG7524 LM7524
SF.C2525 C	IS6	I	S	E	SE	SAS151		SN5525 LM354 SN7525 LM5525	U7B7525393 N7525 SG7525 LM7525
SF.C2528 C	IS7	I	S	E	SE			SN5528 LM7528	LM5528 SN7528
SF.C2529 C	IS7	I	S	E	SE				
SF.C2709 C	LO113	L	O	E	SE	TAA521		SN52709A LM709 SN72709 709	U5B7709393 N5709A TOA1709 U6A77099312
SF.C2709 C	LO115	L	O	E	SE	TAA521		SN52709A LM709 SN72709 709	U5B7709393 N5709A TOA1709 U6A77099312
SF.C2709 C	LO114	L	O	E	SE	TAA521		SN52709 LM709 SN72709 709	U5B7709393 N5709A TOA1709 U6A77099312
SF.C2709 T	LO115	L	O	E	SE			SN52709 LM709 ML709	U6A7709312 N5709 SN72709
SF.C2709 T	LO114	L	O	E	SE			SN52709 LM709 ML709	U6A7709312 N5709 SN72709
SF.C2709 A	LO112	L	O	E	SE			SN52709 LM709A MIC709A-1C MIC709A-5D SN72709	U3F7709311 N5709 TOA4709 ML709
SF.C2709 A	LO115	L	O	E	SE			SN52709 LM709A MIC709A-1C MIC709A-5D SN72709	U3F7709311 N5709 TOA4709 ML709
SF.C2709C	LO112	L	O	E	SE	TAA521A		SN52709 LM709 MIC709-5C TAA521	UGA7709393 N5709 ML709 SN2709
SF.C2709 T	LO112	L	O	E	SE			SN52709 N5709	LM709 SN72709
SF.C2710 C	LC22	L	C	E	SE			SN52710 LM710 MIC710-1 SG710 U5B7710393	U3F7710312 N5710 TDC1710 710 SN72710
SF.C2710 C	LC24	L	C	E	SE			SN52710 LM710 MIC710-1 SG710 U5B7710393	U3F7710312 N5710 TDC1710 710 SN72710

type	fig	1	2	3	4	europe	europe	america	america
SF.C2710C	LC21	L	C	E	SE			SN52710 LM710 MIC710-5 SN72710	U3F7710312 N5711 TDC2710 SG710
SF.C2711 C	LC26	L	C	E	SE			SN52711 N5711 MIC711-1 711 SN72711	U3F7711312 LM711 TDC1711 SG711
SF.C2711 C	LC27	L	C	E	SE			SN52711 LM711 MIC711-1 SG711 SN72711	U3F7711312 N5711 TDC1711 711
SF.C2711C	LC25	L	C	E	SE			SN52711 LM711 TDC2711 SN72711	U5F7711393 MIC711-5 SG711
SF.C2723 C	LV1	L	V	E	SE	L123B1	TAA281	LM723 N5723 TVR1723 AMU5R772331	U5A7723312 MIC723-1 SG723 ML723
SF.C2723C	LV2	L	V	E	SE	L123T1		LM723 MIC723-5 TVR2723 AMU5R7723393	U5A7723393 N5723 SG723
SF.C2741 C	LO14	L	O	E	SE	L141B1	TBA221	SN52741 LM741C MIC741-1 SG741 ML741C AMU5B7741312 AD741	U3F7741312 N5741 CA3056 U9T7741391 CA3741C 741
SF.C2741 C	LO70	L	O	E	SE	L141B1	TBA221	SN52741 LM741C MIC741-1 SG741 ML741C AMU5B7741312 AD741	U3F7741312 N5741 CA3056 U9T7741391 CA3741C 741
SF.C2741 C	LO119	L	O	E	SE	L141B1	TBA221	SN52741 LM741C MIC741-1 CA3056 ML741C AMU5B7741312 AD741	U3F7741312 N5741 SG741 U9T7741391 CA3741C 741
SF.C2741C	LO1	L	O	E	SE	L141T1	TBA222	SN52741 LM741C MIC741-5 TOA1741 CA3741C AD741C	U5B7741393 N5741 CA3056 SG741 AMU5B7741393 ML741C
SF.C2747 C	LO25	L	O	E	SE			LM747 747 C	µA747 C CA3747
SF.C2747C	LO19	L	O	E	SE			LM747 747 C	µA747 C CA3747

type	fig	1	2	3	4	europe	europe	america	america
SF.C2748 C	LO4	L	O	E	SE	L148T1		SN52748 LM748C CA3748C SG748 AMU5B7748312	U5B7748393 N5748 SN7248 TOA1748 ML748C
SF.C2748C	LO3	L	O	E	SE	L148T2		SN52748 LM748C CA748C SG748 ML748C	U5B7748393 N5748 TOA2748 AMU5B7748393 SN72748
SF.C2761 C	LO141	L	O	E	SE	TAA861	TAA761		
SF.C2761 T	LO141	L	O	E	SE	TAA865	TAA765		
SF.C2761C	LO140	L	O	E	SE				
SF.C2761T	LO140	L	O	E	SE				
SF.C2776 C	LO123	L	O	E	SE			LM4250 HA2720	µA776 C
SF.C2776 C	LO142	L	O	E	SE			LM4250 HA2720	µA776 C
SF.C2776 C	LO122	L	O	E	SE			LM4250 HA2720	µA776 C
SF.C2778 C		L	O	E	SE				
SF.C2778C		L	O	E	SE				
SF.C2790C	LO143	L	R	E	SE				
SF.C2805 C	LV5	L	V	E	SE			µA7805C	
SF.C2805 C	LV4	L	V	E	SE			µA7805C	
SF.C2806 C	LV5	L	V	E	SE			µA7806C	
SF.C2806 C	LV4	L	V	E	SE			µA7806C	
SF.C2808 C	LV5	L	V	E	SE			µA7808C	
SF.C2808 C	LV4	L	V	E	SE			µA7808C	
SF.C2812 C	LV5	L	V	E	SE			µA7815C	
SF.C2812 C	LV4	L	V	E	SE			µA7812C	
SF.C2815 C	LV5	L	V	E	SE			µA7815C	
SF.C2815 C	LV4	L	V	E	SE			µA7815C	
SF.C2818 C	LV5	L	V	E	SE			µA7818C	
SF.C2818 C	LV4	L	V	E	SE			µA7818C	
SF.C2824 C	LV5	L	V	E	SE			µA7824C	
SF.C2824 C	LV4	L	V	E	SE			µA7824C	
SF.C2861 C	LO141	L	O	E	SE				
SF.C2861 T	LO141	L	O	E	SE				
SF.C2861C	LO140	L	O	E	SE				
SF.C2861T	LO140	L	O	E	SE				

type	fig	1	2	3	4	europe	europe	america	america
SH0013 C	IM27	I	M	A	FC				
SH2001 C	IH5	I	H	A	FC				
SH2001 C	IH5	I	H	A	FC				
SH2002	IH5	I	H	A	NS				
SH2002	IH5	I	H	A	NS				
SH2002 C	IH5	I	H	A	FC				
SH2002 C	IH5	I	H	A	FC				
SH2002 C	IH5	I	H	A	FC				
SH2002P	IH5	I	H	A	NS				
SH2002P	IH5	I	H	A	NS				
SH2200 C	IH5	I	H	A	FC				
SH2200 C	IH5	I	H	A	FC				
SH2200 C	IH5	I	H	A	FC				
SH2200 P	IH5	I	H	A	NS				
SH3002 C	LS67	L	S	A	FC				
SH3003	LS68	L	S	A	FC				
SHM6401	LH5	L	H	A	NS				
SN72D560	IL2	I	L	A	TI				
SN72D560	IL3	I	L	A	TI				
SN72L022	LO28	L	O	A	TI			μA798	
SN72L022	LO26	L	O	A	TI			μA798	
SN72L044	LO144	L	O	A	TI			μA3403	
SN72L044	LO144	L	O	A	TI			μA3403	
SN7510	LR80	L	R	A	TI			(μA733 C) (LM733C)	MC1410 733 C)
SN7510	LR80	L	R	A	TI			(μA733 C) (LM733C)	MC1410 733 C)
SN7511	LR96	L	R	A	TI			(LM733C) (MC1410)	(μA733C) (733C)
SN7511	LR97	L	R	A	TI			(LM733C) (MC1410)	(μA733C) (733C)
SN7511	LR98	L	R	A	TI			(LM733C) (MC1410)	(μA733C) (733C)
SN7512	LR99	L	R	A	TI			(LM733C) (733C)	(μA733C) U5F7733393
SN7512	LR100	L	R	A	TI			(LM733C) (733C)	(μA733C) U5F7733393
SN7514	LR102	L	R	A	TI			(LM733C) (733C)	(μA733C) U5F7733393
SN7514	LR101	L	R	A	TI			(μA733C) (733 C)	(LM733C) U5F7733393

type	fig	1	2	3	4	europe	europe	america	america
SN7520	IS4	I	S	A	TI			(μA7524) LM7520	MC7520 (7524)
SN7520	IS4	I	S	A	TI			(μA7524) LM7520	MC7520 (7524)
SN7520	IS4	I	S	A	S			(μA7524) LM7520	MC7520 (7524)
SN7522	IS5	I	S	A	TI			(μA7524) LM7522	MC7522 (7524)
SN7522	IS5	I	S	A	TI			(μA7524) LM7522	MC7522 (7524)
SN7522	IS5	I	S	A	S			(μA7524) LM7522	MC7522 (7524)
SN7523	IS5	I	S	A	TI			(μA7524) LM7523	MC7523 (7524)
SN7523	IS5	I	S	A	TI			(μA7524) LM7523	MC7523 (7524)
SN7523	IS5	I	S	A	S			(μA7524) LM7523	MC7523 (7524)
SN7524	IS6	I	S	A	TI	SF.C2524		μA7524 LM7524	MC7524 7524
SN7524	IS6	I	S	A	TI	SF.C2524		μA7524 LM7524	MC7524 7524
SN7524	IS6	I	S	A	S	SF.C2524		μA7524 LM7524	MC7524 7524
SN7524	IS6	I	S	A	FC	SF.C2524		μA7524 LM7524	MC7524 7524
SN7525	IS6 IS6	I I	S S	A A	TI TI	SF.C2525		μA7525 LM7525	MC7525 7525
SN7525	IS6	I	S	A	S	SF.C2525		μA7525 LM7525	MC7525 7525
SN7525	IS6	I	S	A	FC	SF.C2525		μA7525 LM7525	MC7525 7525
SN7526	IS14	I	S	A	TI			(μA7524)	(7524)
SN7526	IS14	I	S	A	TI			(μA7524)	(7524)
SN7527	IS14	I	S	A	TI			(μA7524)	(7524)
SN7527	IS14	I	S	A	TI			(μA7524)	(7524)
SN7528	IS7	I	S	A	TI	SE C2528		(μA7524) LM7528	MC7528 (7524)
SN7528	IS7	I	S	A	TI	SF.C2528		(μA7524) (7524)	MC7528 LM7528
SN7529	IS7	I	S	A	TI			(μA7524) LM7529	MC7529 (7524)
SN7529	IS7	I	S	A	TI			(μA7524) LM7529	MC7529 (7524)
SN62004	LO14	L	O	A	TI				
SN62004	LO1	L	O	A	TI				

type	fig	1	2	3	4	europe	europe	america	america
SN62004	LO14	L	O	A	TI				
SN62088	LO145	L	O	A	TI				
SN72004	LO1	L	O	A	TI				
SN72004	LO14	L	O	A	TI				
SN72088	LO145	L	O	A	TI				
SN72301A	LO2	L	O	A	TI	SF.C2301		μA301 LM301A	MLM301A 301
SN72301A	LO89	L	O	A	TI	SF.C2301		μA301 LM301A	MLM301A 301
SN72301A	LO3	L	O	A	TI	SE C2301		μA301 LM301A	MLM301A 301
SN72301A	LO89	L	O	A	TI	SF.C2301		μA301 LM301A	MLM301A 301
SN72301A	LO4	L	O	A	TI	SF.C2301		μA301 LM301A	MLM301A 301
SN72304	LV11	L	V	A	TI			LM304	
SN72304	LV31	L	V	A	TI			LM304	
SN72305	LV13	L	V	A	TI			LM305	
SN72305	LV19	L	V	A	TI			LM305	
SN72305A	LV13	L	V	A	TI			LM305	
SN72305A	LV19	L	V	A	TI			LM305	
SN72306	LC8	L	C	A	TI			LM306	
SN72306	LC34	L	C	A	TI			LM306	
SN72306	LC35	L	C	A	TI			LM306	
SN72306	LC34	L	C	A	TI			LM306	
SN72306	LC9	L	C	A	TI			LM306	
SN72307	LO119	L	O	A	TI			μA307 LM307 (U6A7777393)	MLM307 307
SN72307	LO70	L	O	A	TI			μA307 LM307 (U6A7777393)	MLM307 307
SN72307	LO1	L	O	A	TI			μA307 LM307	MLM307 (U6A7777393)
SN72307	LO70	L	O	A	TI			μA307 LM307 (U6A7777393)	MLM307 307
SN72307	LO14	L	O	A	TI			μA307 LM307 (U6A7777393)	MLM307 307
SN72308	LO96	L	O	A	TI			LM308	
SN72308	LO97	L	O	A	TI			LM308	
SN72308	LO5	L	O	A	TI			LM308	

type	fig	1	2	3	4	europe	europe	america	america
SN72308	LO97	L	O	A	TI			LM308	
SN72308	LO98	L	O	A	TI			LM308	
SN72308A	LO96	L	O	A	TI			LM308A	
SN72308A	LO97	L	O	A	TI			LM308A	
SN72308A	LO5	L	O	A	TI			LM308A	
SN72308A	LO97	L	O	A	TI			LM308A	
SN72308A	LO98	L	O	A	TI			LM308A	
SN72309	LV6	L	V	A	TI			LM309	
SN72310	LG3	L	G	A	TI			LM310	
SN72310	LG3	L	G	A	TI			LM310	
SN72310	LG2	L	G	A	TI			LM310	
SN72310	LG3	L	G	A	TI			LM310	
SN72310	LG5	L	G	A	TI			LM310	
SN72311	LC10	L	C	A	TI			LM311	
SN72311	LC36	L	C	A	TI			LM311	
SN72311	LC2	L	C	A	TI			LM311	
SN72311	LC36	L	C	A	TI			LM311	
SN72311	LC11	L	C	A	TI			LM311	
SN72318	LO107	L	O	A	TI				
SN72318	LO106	L	O	A	TI				
SN72318	LO106	L	O	A	TI				
SN72318	LO108	L	O	A	TI				
SN72376	LV13	L	V	A	TI			LM376	
SN72376	LV19	L	V	A	TI			LM376	
SN72440	LZ5	L	Z	A	TI				
SN72440	LZ5	L	Z	A	TI				
SN72506	LC8	L	C	A	TI			(LM119)	
SN72506	LC34	L	C	A	TI			(LM119)	
SN72506	LC34	L	C	A	TI			(LM119)	
SN72510	LC37 LC38	L L	C C	A A	TI TI			(μA 710C) (710C)	(LM710) (U6A7710393)
SN72514	LC28	L	C	A	TI			LM1414	
SN72514	LC28	L	C	A	TI			LM1414	
SN72555	LT3	L	T	A	TI			LM555C	
SN72555	LT1	L	T	A	TI			LM555C	
SN72558	LO28	L	O	A	TI			MC1458 N5558 (U7A7747393)	LM1458 1458

type	fig	1	2	3	4	europe	europe	america	america
SN72558	LO26	L	O	A	TI			MC1458 LM1458 1458	MC1458 N5558 (U7A 7747393)
SN72560	IL4	I	L	A	TI				
SN72560	IL5	I	L	A	TI				
SN72595	LX18	L	X	A	TI				
SN72660	LO96	L	O	A	TI				
SN72660	LO97	L	O	A	TI				
SN72660	LO5	L	O	A	TI				
SN72660	LO97	L	O	A	TI				
SN72660	LO98	L	O	A	TI				
SN72702	LO132	L	O	A	TI			µA702 C (LM301A) (U6A7702393)	MC1712 702 C
SN72702	LO131	L	O	A	TI			µA702 C (LM301A) (U6A7702393)	MC1712 702 C
SN72702	LO130	L	O	A	TI			µA702 C (LM301A) (U6A7702393)	MC1712 702 C
SN72702	LO131	L	O	A	TI			µA702 C (LM301A) (U6A7702393)	MC1712 702 C
SN72709	LO114	L	O	A	TI	SF,C2709		µA709C LM709 U6A7709393	MC1709 709 C
SN72709	LO115	L	O	A	TI	SF.C2709		µA709 C LM709 U6A7709393	MC1709 709 C
SN72709	LO112	L	O	A	TI	SF.C2709		µA709 C LM709 U6A7709393	MC1709 709 C
SN72709	LO115	L	O	A	TI	SF.C2709		µA709 C LM709 U6A7709393	MC1709 709 C
SN72709	LO113	L	O	A	TI	SF.C2709		µA709 C LM709 U6A7709393	MC1709 709 C
SN72710	LC24	L	C	A	TI	SF.C2710		µA710 C LM710 U6A7710393	MC1710 710 C
SN72710	LC22	L	C	A	TI	SF.C2710		µA710 C LM710 U6A7710393	MC1710 710 C
SN72710	LC21	L	C	A	TI	SF.C2710		µA710 LM710 U6A7710393	MC1710 710 C

type	fig	1	2	3	4	europe	europe	america	america
SN72710	LC22	L	C	A	TI	SF.C2710		µA710 C LM710 U6A7710393	MC1710 710 C
SN72710	LC23	L	C	A	TI	SF.C2710		µA710 C LM710 U6A7710393	MC1710 710 C
SN72711	LC27	L	C	A	TI	SF.C2711		µA711 C LM711 U6A7711393	MC1711 711 C
SN72711	LC26	L	C	A	TI	SF.C2711		µA711 C LM711 U6A7711393	MC1711 711 C
SN72711	LC25	L	C	A	TI	SF.C2711		µA711 C LM711 U6A7711393	MC1711 711 C
SN72711	LC26	L	C	A	TI	SF.C2711		µA711 C LM711 U6A7711393	MC1711 711 C
SN72720	LC41	L	C	A	TI			(µA711 C) LM1414	MC1414 (711 C)
SN72720	LC41	L	C	A	TI			(µA711 C) LM1414	MC1414 (711 C)
SN72723	LV32	L	V	A	TI	SF.C2723		µA723 C	LM723C
SN72723	LV1	L	V	A	TI	SF.C2723		µA723 C	LM723C
SN72723	LV2	L	V	A	TI	SF.C2723		µA723 C	LM723C
SN72723	LV1	L	V	A	TI	SF.C2723		µA723 C	LM723C
SN72733	LR43	L	R	A	TI			µA733 C LM733C U6A7733393	MC1733 733 C
SN72733	LR44	L	R	A	TI			µA733 C LM733C U6A7733393	MC1733 733 C
SN72733	LR42	L	R	A	TI			µA733 C LM733C U6A7733393	MC1733 733 C
SN72733	LR44	L	R	A	TI			µA733 C LM733C U6A7733393	MC1733 733 C
SN72741	LO119	L	O	A	TI	SF.C2741		LM741C MC1741 U6A7741393	µA741 C 747 C
SN72741	LO70	L	O	A	TI	SF.C2741		LM741C MC1741 U6A7741393	µA741 C 747 C

type	fig	1	2	3	4	europe	europe	america	america
SN72741	LO1	L	O	A	TI	SF.C2741		µA741 C LM741C U6A7741393	MC1741 747 C
SN72741	LO70	L	O	A	TI	SF.C2741		µA741 C LM741C U6A7741393	MC1741 747 C
SN72741	LO14	L	O	A	TI	SF.C2741		µA741 C LM741C U6A7741393	MC1741 747 C
SN72747	LO25	L	O	A	TI			U7A7747393 LM747C	MC1747
SN72747	LO25	L	O	A	TI			U7A7747393 LM747C	MC1747
SN72747	LO19	L	O	A	TI			U7A7747393 LM747C	MC1747
SN72747	LO25	L	O	A	TI			U7A7747393 LM747C	MC1747
SN72748	LO135	L	O	A	TI	SF.C2748		µA748 C LM748C U6A7748393	MC1748 748 C
SN72748	LO135	L	O	A	TI	SF.C2748		µA748 C LM748C U6A7748393	MC1748 748 C
SN72748	LO3	L	O	A	TI	SF.C2748		µA748 C LM748C U6A7748393	MC1748 748 C
SN72748	LO135	L	O	A	TI	SF.C2748		µA748 C LM748C U6A7748393	MC1748 748 C
SN72748	LO4	L	O	A	TI	SF.C2748		µA748 C LM748C U6A7748393	MC1748 748 C
SN72770	LO146	L	O	A	TI			(µA740 C) LM344 (LM308)	(MC1456) (740 C) (U5B7740393)
SN72770	LO147	L	O	A	TI			(µA740 C) LM344 (LM308)	(MC1456) (740 C) (U5B7740393)
SN72770	LO3	L	O	A	TI			(µA740 C) LM344 (LM308)	(MC1456) (740 C) (U5B7740393)
SN72770	LO147	L	O	A	TI			(µA740 C) LM344 (LM308)	(MC1456) (740 C) (U5B7740393)
SN72770	LO4	L	O	A	TI			(µA740 C) LM344 (LM308)	(MC1456) (740 C) (U5B7740393)
SN72771	LO148	L	O	A	TI			(µA740 C) (LM308) (LM312)	LM343 (740 C) (U5B7740393)
SN72771	LO149	L	O	A	TI			(µA740 C) (LM308) (LM312)	LM343 (740 C) (U5B7740393)

type	fig	1	2	3	4	europe	europe	america	america
SN72771	LO1	L	O	A	TI			LM343 (LM308) (LM312)	(µA740 C) (740 C) (U5B7740393)
SN72771	LO14	L	O	A	TI			LM343 (LM308) (LM312)	(µA740 C) (740 C) (U5B7740393)
SN72771	LO149	L	O	A	TI			LM343 (LM308) (LM312)	(µA740 C) (740 C) (U5B7740393)
SN72777	LO135	L	O	A	TI			(LM101A)	
SN72777	LO3	L	O	A	TI			(LM101A)	
SN72777	LO135	L	O	A	TI			(LM101A)	
SN72777	LO4	L	O	A	TI			(LM101A)	
SN72810	LC24	L	C	A	TI			(LM710) (710C)	(µA710 C) (U6A7710393)
SN72810	LC22	L	C	A	TI			(LM710) (710C)	(µA710 C) (U6A7710393)
SN72810	LC21	L	C	A	TI			(LM710) (710C)	(µA710 C) (U6A7710393)
SN72810	LC22	L	C	A	TI			(LM710) (710C)	(µA710 C) (U6A7710393)
SN72810	LC23	L	C	A	TI			(LM710) (710C)	(µA710 C) (U6A7710393)
SN72811	LC27	L	C	A	TI			(LM711) (711C)	(µA711 C) (U6A7711393)
SN72811	LC26	L	C	A	TI			(LM711) (711C)	(µA711 C) (U6A7711393)
SN72811	LC25	L	C	A	TI			(LM711) (711C)	(µA711 C) (U6A7711393)
SN72811	LC26	L	C	A	TI			(LM711) (711C)	(µA711 C) (U6A7711393)
SN72820	LC41	L	C	A	TI			(µA734 C) (734 C)	(LM319) (U6A7734393)
SN72820	LC41	L	C	A	TI			(µA734 C) (734 C)	(LM319) (U6A7734393)
SN72905	LV5	L	V	A	TI			LM340-05	µA7805
SN72906	LV5	L	V	A	TI			LM340-06	µA7806
SN72908	LV5	L	V	A	TI			LM340-08	µA7808C
SN72912	LV5	L	V	A	TI			LM340-12	µA7812C
SN72915	LV5	L	V	A	TI			µA7815C	LM340-15
SN72918	LV5	L	V	A	TI			LM340-18	µA7818C
SN72924	LV5	L	V	A	TI			LM340-24	µA7824C
SN75107A	IR11	I	R	A	TI			µA75107A LM75107 (DM8820)	MC75107 75107A

type	fig	1	2	3	4	europe	europe	america	america
SN75107A	IR11	I	R	A	TI			μA75107A LM75107 (DM8820)	MC75107 75107A
SN75107A	IR11	I	R	A	FC			μA75107A LM75107 (DM8820)	MC75107 75107A
SN75107A	IR11	I	R	A	FC			μA75107A LM75107 (DM8820)	MC75107 75107A
SN75107B	IR11	I	R	A	TI			75107B	
SN75107B	IR11	I	R	A	TI			75107B	
SN75108A	IR11	I	R	A	TI			μA75108A LM75108 MC75108	MC75108 75108A (DM8820)
SN75108A	IR11	I	R	A	TI			μA75108A LM75108 MC75108	MC75108 75108A (DM8820)
SN75108A	IR11	I	R	A	FC			μA75108A LM75108 MC75108	MC75108 75108A (DM8820)
SN75108A	IR11	I	R	A	FC			μA75108A LM75108 MC75108	MC75108 75108A (DM8820)
SN75108B	IR11	I	R	A	TI			75108B	
SN75108B	IR 11	I	R	A	TI			75108B	
SN75109	IT5	I	T	A	TI			μA75109 LM75109 (DM8830)	MC75109 75109
SN75109	IT5	I	T	A	TI			μA75109 LM75109 (DM8830)	MC75109 75109
SN75109	IT5	I	T	A	FC			μA75109 LM75109 (DM8830)	MC75109 75109
SN75109	IT5	I	T	A	FC			μA75109 LM75109 (DM8830)	MC75109
SN75110	IT5	I	T	A	TI			LM75110 MC75110 (DM8830)	μA75110 75110
SN75110	IT5	I	T	A	TI			LM75110 MC75110 75110	μA75110 (DM8830)
SN75110	IT5	I	T	A	FC			μA75110 LM75110 (DM8830)	MC75110 75110
SN75110	IT5	I	T	A	FC			μA75110 LM75110 (DM8830)	MC75110 75110
SN75113	IT11	I	T	A	TI				
SN75113	IT11	I	T	A	TI				

type	fig	1	2	3	4	europe	europe	america	america
SN75113	IT11	I	T	A	TI				
SN75114	IT18	I	T	A	TI			9614C	
SN75114	IT18	I	T	A	TI			9614C	
SN75114	IT18	I	T	A	TI			9614C	
SN75115	IR21	I	R	A	TI			9615C	
SN75115	IR21	I	R	A	TI			9615C	
SN75115	IR21	I	R	A	TI			9615C	
SN75116	IN8	I	N	A	TI				
SN75116	IN8	I	N	A	TI				
SN75117	IN9	I	N	A	TI				
SN75121	IT6	I	T	A	TI			75121	LM75121
SN75121	IT6	I	T	A	TI			75121	LM75121
SN75122	IR12	I	R	A	TI			75122	LM75122
SN75122	IR12	I	R	A	TI			75122	LM75122
SN75123	IT6	I	T	A	TI			75123	LM75123
SN75123	IT6	I	T	A	TI			75123	LM75123
SN75124	IT12	I	R	A	TI			75124	LM75124
SN75124	IT12	I	R	A	TI			75124	LM75124
SN75138	IN10	I	N	A	TC				
SN75140	IR22	I	R	A	TI			MC75140	
SN75142	IR23	I	R	A	TI				
SN75142	IR23	I	R	A	TI				
SN75150	IT7	I	T	A	TI			(9616C) LM75150 (U6A9616393)	(MC1488) 75150 (DM8830)
SN75150	IT7	I	T	A	TI			(9616C) LM75150 (U6A9616393)	(MC1488) 75150 (DM8830)
SN75150	IT8	I	T	A	TI			(9616C) LM75150 (U6A9616393)	(MC1488) 75150 (DM8830)
SN75152	IR24	I	R	A	TI			9627C	
SN75152	IR24	I	R	A	TI			9627C	
SN75154	IR13	I	R	A	TI			(9617C) 75154	LM75154 (U6A9617393)
SN75154	IR13	I	R	A	TI			(9617C) 75154	LM75154 (U6A9617393)
SN75180	IL6	I	L	A	TI				
SN75182	IR2	I	R	A	TI			(9615)	DM8820
SN75182	IR2	I	R	A	TI			(9615)	DM8820

type	fig	1	2	3	4	europe	europe	america	america
SN75183	IT2	I	T	A	TI			(9614)	DM8830
SN75183	IT2	I	T	A	TI			(9614)	DM8830
SN75188	IT1	I	T	A	TI			(9616) CA1488	MC1488
SN75188	IT1	I	T	A	TI			(9616) CA1488	MC1488
SN75189	IR1	I	R	A	TI			(9617) CA1489	MC1489
SN75189	IR1	I	R	A	TI			(9617) CA1489	MC1489
SN75189A	IR1	I	R	A	TI			(9617)	(CA1489)
SN75189A	IR1	I	R	A	TI			(9617)	(CA1489)
SN75207	IR11	I	R	A	TI			75207	LM75207
SN75207	IR11	I	R	A	TI			75207	LM75207
SN75208	IR11	I	R	A	TI			75108	LM75208
SN75208	IR11	I	R	A	TI			75108	LM75208
SN75232	IS6	I	S	A	TI			µA7534	7534
SN75232	IS6	I	S	A	TI			µA7534	7534
SN75233	IS6	I	S	A	TI			µA7525	7525
SN75233	IS6	I	S	A	TI			µA7525	7525
SN75234	IS8	I	S	A	TI			µA75234	75234
SN75234	IS8	I	S	A	TI			µA75234	75234
SN75235	IS8	I	S	A	TI			µA75235	75235
SN75235	IS8	I	S	A	TI			µA75235	75235
SN75236	IS15	I	S	A	TI				
SN75237	IS15	I	S	A	TI				
SN75238	IS9	I	S	A	TI			(µA7524)	(7524)
SN75238	IS9	I	S	A	TI			(µA7524)	(7524)
SN75239	IS9	I	S	A	TI			(µA7524)	(7524)
SN75239	IS9	I	S	A	TI			(µA7524)	(7524)
SN75244	IS16	I	S	A	TI				
SN75244	IS16	I	S	A	TI				
SN75244	IS16	I	S	A	TI				
SN75270	IL7	I	L	A	TI				
SN75270	IL7	I	L	A	TI				
SN75303	IM34	I	M	A	TI				
SN75308	IM35	I	M	A	TI				
SN75308	IM35	I	M	A	TI				

type	fig	1	2	3	4	europe	europe	america	america
SN75324	IM31	I	M	A	TI			(µA75325)	LM75324
SN75324	IM31	I	M	A	TI			(µA75325)	LM75324
SN75325	IM23	I	M	A	TI			µA75325 LM75325	MC75325 75325
SN75325	IM23	I	M	A	TI			µA75325 LM75325	MC75325 75325
SN75325	IM23	I	M	A	TI			µA75325 LM75325	MC75325 75325
SN75325	IM23	I	M	A	FC			µA75325 LM75325	MC75325 75325
SN75325	IM23	I	M	A	FC			µA75325 LM75325	MC75325 75325
SN75326	IM32	I	M	A	TI			(µA75325)	(75325)
SN75326	IM32	I	M	A	TI			(µA75325)	(75325)
SN75326	IM32	I	M	A	TI			(µA75325)	(75325)
SN75327	IM33	I	M	A	TI			(µA75325)	(75325)
SN75327	IM33	I	M	A	TI			(µA75325)	(75325)
SN75327	IM33	I	M	A	TI			(µA75325)	(75325)
SN75361A	IJ10	I	J	A	TI			(DS75361)	
SN75361A	IJ10	I	J	A	TI			(DS75361)	
SN75361A	IJ11	I	J	A	TI			(DS75361)	
SN75362	IJ12	I	J	A	TI				
SN75365	IJ16	I	J	A	TI			(9607)	
SN75365	IJ16	I	J	A	TI			(9607)	
SN75367	IL8	I	L	A	TI				
SN75367	IL8	I	L	A	TI				
SN75367	IL8	I	L	A	TI				
SN75368	IL9	I	L	A	TI				
SN75368	IL9	I	L	A	TI				
SN75369		I	L	A	TI				
SN75369		I	L	A	TI				
SN75369	IL10	I	L	A	TI				
SN75370	IL11	I	L	A	TI				
SN75370	IL11	I	L	A	TI				
SN75401	IP23	I	P	A	TI				
SN75402	IP24	I	P	A	TI				
SN75403	IP25	I	P	A	TI				
SN75404	IP26	I	P	A	TI				
SN75411	IP23	I	P	A	TI				

type	fig	1	2	3	4	europe	europe	america	america
SN75412	IP24	I	P	A	TI				
SN75413	IP25	I	P	A	TI				
SN75414	IP26	I	P	A	TI				
SN75450B	IP21	I	P	A	TI			75450B LM75450	(MC75450)
SN75450B	IP21	I	P	A	TI			75450B LM75450	(MC75450)
SN75450B	IP21	I	P	A	S			75450B LM75450	(MC75450)
SN75450B	IP21	I	P	A	FC			75450B LM75450	(MC75450)
SN75450B	IP21	I	P	A	FC			75450B LM75450	(MC75450)
SN75451B	IP1	I	P	A	TI			75451B LM75451	(MC75451)
SN75451B	IP1	I	P	A	S			75451B LM75451	(MC75451)
SN75451B	IP1	I	P	A	FC			75451B LM75451	(MC75451)
SN75452B	IP2	I	P	A	TI			75452B LM75452	MC75452
SN75452B	IP2	I	P	A	S			75452B LM75452	MC75452
SN75452B	IP2	I	P	A	FC			75452B LM75452	MC75452
SN75453B	IP3	I	P	A	TI			75453B LM75453	MC75453
SN75453B	IP3	I	P	A	S			75453B LM75453	MC75453
SN75453B	IP3	I	P	A	FC			75453B LM75453	MC75453
SN75454B	IP4	I	P	A	TIZ			75454B LM75454	MC5454
SN75454B	IP4	I	P	A	FC			75454B LM75454	MC5454
SN75460	IP21	I	P	A	TI			µA75460	75460
SN75460	IP21	I	P	A	TI			µA75460	75460
SN75460	IP21	I	P	A	FC			µA75460	75460
SN75460	IP21	I	P	A	FC			µA75460	75460
SN75461	IP1	I	P	A	TI			µA75461	75461
SN75461	IP1	I	P	A	FC			µA75461	75461
SN75462	IP2	I	P	A	TI			µA75462	75462
SN75462	IP2	I	P	A	FC			µA75462	75462
SN75463	IP3	I	P	A	TI			µA75463	75463
SN75463	IP3	I	P	A	FC			µA75463	75463

type	fig	1	2	3	4	europe	europe	america	america
SN75464	IP4	I	P	A	TI			µA75464	75464
SN75464	IP4	I	P	A	FC			µA75464	75464
SN75470	IP21	I	P	A	TI			75470	
SN75470	IP21	I	P	A	TI			75470	
SN75471	IP1	I	P	A	TI			75471	
SN75472	IP2	I	P	A	TI			75472	
SN75473	IP3	I	P	A	TI			75473	
SN75474	IP4	I	P	A	TI			75474	
SN75491	II6	I	I	A	TI			75491 DM75491	MC75491
SN75491	II6	I	I	A	FC			75491 DM75491	MC75491
SN75492	II7	I	I	A	TI			75492 DM75492	MC75492
SN75492	II7	I	I	A	FC			75492 DM75492	MC75492
SN76502	LN1	L	N	A	TI				
SN76502	LN1	L	N	A	TI				
SN76514	LB2	L	B	A	TI			(LM1496)	
SN76514	LB3	L	B	A	TI			(LM1496)	
SN76514	LB2	L	B	A	TI			(LM1496)	
TAA131	LA16	L	A	E	SI	OM200			
TAA241	LO130	L	O	E	PH			702 C	µA702 C
TAA242	LO130	L	O	E	PH			702 C	µA702 C
TAA263	LA16	L	A	E	PH	OM200 (TAA131)	(TAA141)		
TAA293	LA21	L	A	E	PH	TAA151			
TAA300	LA22	L	A	E	PH				
TAA310	LA23	L	A	E	PH				
TAA310A	LA23	L	A	E	PH				
TAA320	LA24	L	A	E	PH				
TAA320A	LA24	L	A	E	PH				
TAA350	LR103	L	R	E	PH				
TAA370	LA25	L	A	E	PH				
TAA435	LA26	L	A	E	PH				
TAA445	LO150	L	O	E	PH				
TAA450	LR104	L	R	E	PH				
TAA480	LA27	L	A	E	PH				

type	fig	1	2	3	4	europe	europe	america	america
TAA521	LO112	L	O	E	PH	(TAA522)	SF.C2709	SN72709 LM709	709 C μA709
TAA521	LO112	L	O	E	SI	(TAA522)	SF.C2709	SN72709 LM709	709 C μA709
TAA521	LO115	L	O	E	SI	(TAA522)	SF.C2709	SN72709 LM709	709 C μA709
TAA522	LO112	L	O	E	PH	TAA521	SF.C2709	SN72709 LM709	709 C μA709
TAA522	LO112	L	O	E	SI	TAA521	SF.C2709	SN72709 LM709	709 C μA709
TAA550g	LV33	L	V	E	PH	TAA550B TBA271B	TAA550-2		
TAA550gr	LV33	L	V	E	PH	TAA550C TBA271C	TAA550-3		
TAA550r	LV33	L	V	E	PH	TAA550A TBA271A	TAA550-1		
TAA550A	LV33	L	V	E	SG	TAA550r TBA271A	TAA550-1		
TAA550B	LV33	L	V	E	SG	TAA550g TBA271B	TAA550-2		
TAA550C	LV33	L	V	E	SG	TAA550gr TAA550-3	TBA271C		
TAA550-1	LV33	L	V	E	SE	TAA550r TBA271A	TAA550A		
TAA550-2	LV33	L	V	E	SE	TAA550g TAA550B	TBA2718		
TAA550-3	LV33	L	V	E	SE	TAA550gr TAA550C	TBA271C		
TAA560	IG1	I	G	E	PH				
TAA570	LR105	L	R	E	PH				
TAA580	IG2	I	G	E	PH				
TAA611A	LA28	L	A	E	SG				
TAA611A	LA29	L	A	E	SG				
TAA611B	LA29	L	A	E	SG				
TAA611C	LA28	L	A	E	SG				
TAA611C	LA28	L	A	E	SG				
TAA611C	LA28	L	A	E	SG				
TAA611E	LA28	L	A	E	SG				
TAA611E	LA29	L	A	E	SG				
TAA611F	LA28	L	A	E	SG				
TAA621A	LA30	L	A	E	SG				
TAA621A	LA30	L	A	E	SG				
TAA621A	LA30	L	A	E	SG				

type	fig	1	2	3	4	europe	europe	america	america
TAA630	LR106	L	R	E	PH			μA786 C	
TAA630	LR106	L	R	E	PH			μA786 C	
TAA630S	LR106	L	R	E	PH			μA786 C	
TAA630S	LR106	L	R	E	SI			μA786 C	
TAA630S	LR106	L	R	E	SG			μA786 C	
TAA630S	LR106	L	R	A	FC			μA786 C	
TAA630S	LR106	L	R	A	IT			μA786 C	
TAA640	LR109	L	R	E	PH			μA784 C	
TAA661	LR108	L	R	E	SE				
TAA661	LR107	L	R	E	SE				
TAA661	LR108	L	R	E	SG				
TAA661	LR107	L	R	E	SG				
TAA691	LR111	L	R	E	SG				
TAA700	LR110	L	R	A	FC	TBA550		μA785 C	
TAA700	LR110	L	R	E	PH	TBA550		μA785 C	
TAA721	LO151	L	O	E	SI				
TAA722	LO151	L	O	E	SI				
TAA761	LO140	L	O	E	SI	SF.C2761			
TAA761	LO141	L	O	E	SI	SF.C2761			
TAA762	LO140	L	O	E	SI	SF.C2761			
TAA765	LO140	L	O	E	SI	SF.C2761			
TAA765	LO141	L	O	E	SI	SF.C2761			
TAA780	LV34	L	V	A	IT				
TAA790		L	F	A	IT				
TAA840	LR112	L	R	E	PH				
TAA861	LO152	L	O	E	SI	SF.C2861			
TAA861	LO152	L	O	E	SI	SF.C2861			
TAA861	LO153	L	O	E	SI	SF.C2861			
TAA861	LO152	L	O	E	TE	SF.C2861			
TAA861	LO152	L	O	E	TE	SF.C2861			
TAA862	LO152	L	O	E	SI	(SF.C2861)			
TAA862	LO153	L	O	E	SI	(SF.C2861)			
TAA865	LO152	L	O	E	SI	(SF.C2861)			
TAA865	LO152	L	O	E	SI	(SF.C2861)			
TAA865	LO153	L	O	E	SI	(SF.C2861)			
TAA865	LO152	L	O	E	TE	(SF.C2861)			

type	fig	1	2	3	4	europe	europe	america	america
TAA865	LO152	L	O	E	TE	(SF.C2861)			
TAA865A	LO152	L	O	E	SI				
TAA930	LR113	L	R	E	SE				
TAA930	LR113	L	R	E	SE				
TAA960	LR114	L	R	E	PH				
TAA970	LA31	L	A	E	PH				
TAA991	LR115	L	R	E	SI				
TAA991	LR115	L	R	E	SI				
TAB101	LX19	L	X	E	PH				
TAD100	LR116	L	R	E	PH				
TBA120	LR117	L	R	E	SI				
TBA120	LR117	L	R	E	SI				
TBA120	LR117	L	R	A	IT				
TBA120S	LR117	L	R	E	SI				
TBA120S	LR117	L	R	E	SI				
TBA120S	LR117	L	R	E	TE				
TBA120S	LR117	L	R	E	TE				
TBA120S	LR117	L	R	A	IT				
TBA120T	LR117	L	R	E	SI				
TBA120U	LR117	L	R	E	SI				
TBA221	LO1	L	O	E	PH			741 C	
TBA221	LO14	L	O	E	PH			741 C	
TBA221	LO14	L	O	E	PH			741 C	
TBA221	LO1	L	O	E	SI			741 C	
TBA221	LO70	L	O	E	SI			741 C	
TBA221	LO14	L	O	E	SI			741 C	
TBA221	LO119	L	O	E	SI			741 C	
TBA222	LO1	L	O	E	PH			741 M	
TBA222	LO1	L	O	E	SI			741 M	
TBA231	LO154	L	O	E	SG				
TBA261	LR118	L	R	E	SG				
TBA261	LR118	L	R	E	SG				
TBA271A	LV33	L	V	E	SG	TAA550	TAA550A		
TBA271B	LV33	L	V	E	SG	TAA550	TAA550B		
TBA271C	LV33	L	V	E	SG	TAA550	TAA550C		
TBA281	LV2	L	V	E	PH			723 C	

type	fig	1	2	3	4	europe	europe	america	america
TBA311	LR119	L	R	E	SG				
TBA311	LR119	L	R	E	SG				
TBA331	LI6	L	I	E	SE				
TBA331	LI6	L	I	E	SG				
TBA341	LI4	L	I	E	SE				
TBA400	LR120	L	R	E	SI				
TBA400	LR120	L	R	E	SI				
TBA400	LR120	L	R	E	SE				
TBA400	LR120	L	R	E	SE				
TBA435	LV34	L	V	E	SG				
TBA440C	LR121	L	R	E	SI				
TBA440C	LR121	L	R	E	SE				
TBA440N	LR121	L	R	E	SI				
TBA440P	LR121	L	R	E	SI				
TBA450	LR122	L	R	E	SI				
TBA460	LR123	L	R	E	SI				
TBA460	LR123	L	R	E	SI				
TBA480	LR124	L	R	E	PH				
TBA500N	LR125	L	R	E	PH				
TBA500N	LR125	L	R	E	PH				
TBA500N	LR125	L	R	E	SI				
TBA500N	LR125	L	R	A	IT				
TBA500P	LR125	L	R	E	PH				
TBA500P	LR125	L	R	E	PH				
TBA500P	LR125	L	R	E	SI				
TBA500P	LR125	L	R	A	IT				
TBA510	LR126	L	R	E	PH				
TBA510	LR126	L	R	E	PH				
TBA510	LR126	L	R	E	SI				
TBA510	LR126	L	R	A	FC				
TBA510	LR126	L	R	A	IT				
TBA520	LR127	L	R	E	PH				
TBA520	LR127	I	R	E	PH				
TBA520	LR127	L	R	E	SI				
TBA520	LR127	L	R	E	TE				
TBA520	LR127	L	R	E	TE				

type	fig	1	2	3	4	europe	europe	america	america
TBA520	LR127	L	R	A	IT				
TBA530	LR128	L	R	E	PH				
TBA530	LR128	L	R	E	PH				
TBA530	LR128	L	R	E	SI				
TBA530	LR128	L	R	E	TE				
TBA530	LR128	L	R	E	TE				
TBA530	LR128	L	R	A	IT				
TBA540	LR129	L	R	E	PH				
TBA540	LR129	L	R	E	PH				
TBA540	LR129	L	R	E	SI				
TBA540	LR129	L	R	E	TE				
TBA540	LR129	L	R	E	TE				
TBA540	LR129	L	R	A	IT				
TBA550	LR110	L	R	E	PH	TAA700		μA785	
TBA550	LR110	L	R	E	PH	TAA700		μA785	
TBA550	LR110	L	R	A	FC	TAA700		μA785	
TBA560C	LR130	L	R	E	SI				
TBA560C	LR130	L	R	E	TE				
TBA560C	LR130	L	R	E	TE				
TBA560	LR130	L	R	A	IT				
TBA560B	LR130	L	R	E	PH				
TBA560B	LR130	L	R	E	PH				
TBA560C	LR130	L	R	E	PH				
TBA560C	LR130	L	R	E	PH				
TBA560Q	LR130	L	R	E	PH				
TBA570	LR131	L	R	E	PH				
TBA570	LR131	L	R	E	PH				
TBA625A	LV35	L	V	E	SG				
TBA625B	LV35	L	V	E	SG				
TBA625C	LV35	L	V	E	SG				
TBA631A	LR132	L	R	E	SG				
TBA631A	LR132	L	R	E	SG				
TBA631A	LR132	L	R	E	SG				
TBA641A	LA32	L	A	E	SG			μA706	
TBA641A	LA32	L	A	E	SG			μA706	
TBA641B	LA32	L	A	E	SG			μA706	

type	fig	1	2	3	4	europe	europe	america	america
TBA641B	LA32	L	A	E	SG			μA706	
TBA641B	LA32	L	A	E	SG			μA706	
TBA651	LR133	L	R	E	SG				
TBA673	LX20	L	X	E	PH				
TBA690	LR134	L	R	E	PH	TBA700			
TBA700	LR134	L	R	E	PH	TBA690			
TBA720	LR135	L	R	E	PH				
TBA720	LR135	L	R	E	PH				
TBA720A	LR135	L	R	E	PH				
TBA720A	LR135	L	R	E	PH				
TBA750A	LR136	L	R	E	PH				
TBA750A	LR136	L	R	E	PH				
TBA780	LA33	L	A	E	PH				
TBA780	LA33	L	A	E	SG				
TBA780	LA33	L	A	E	SG				
TBA790-X	LA34	L	A	E	SE				
TBA790-A	LA34	L	A	E	SE				
TBA790-B	LA34	L	A	E	SE				
TBA790-B	LA34	L	A	E	SE				
TBA790-B	LA34	L	A	E	SE				
TBA790-C	LA34	L	A	E	SE				
TBA790-C	LA34	L	A	E	SE				
TBA790-C	LA34	L	A	E	SE				
TBA790-D	LA34	L	A	E	SE				
TBA790-D	LA34	L	A	E	SE				
TBA800	LA35	L	A	E	SE				
TBA800	LA35	L	A	E	TE				
TBA800	LA35	L	A	E	SG				
TBA800	LA35	L	A	A	TI				
TBA810	LA36	L	A	E	TE				
TBA810A	LA36	L	A	E	SE				
TBA810A	LA36	L	A	E	TE				
TBA810A	LA36	L	A	E	SG				
TBA810S	LA36	L	A	E	SE				
TBA810S	LA36	L	A	E	SG				
TBA820	LA37	L	A	E	SG				

type	fig	1	2	3	4	europe	europe	america	america
TBA830G	LA38	L	A	E	SI				
TBA830R	LA38	L	A	E	SI				
TBA840	LX31	L	X	A	IT				
TBA890	LR137	L	R	E	PH				
TBA890	LR137	L	R	E	PH				
TBA900	LR137	L	R	E	PH				
TBA900	LR137	L	R	E	PH				
TBA915	LA39	L	A	E	PH				
TBA920	LR138	L	R	E	PH				
TBA920	LR138	L	R	E	PH				
TBA920	LR138	L	R	E	SI				
TBA920	LR138	L	R	E	SE				
TBA920	LR138	L	R	A	FC				
TBA940		L	F	A	IT				
TBA950		L	F	A	IT				
TBA970	LR139	L	R	E	SI				
TBA970	LR139	L	R	A	FC				
TBA990	LR140	L	R	E	PH				
TBA990	LR140	L	R	E	PH				
TBA990	LR140	L	R	E	TE				
TBA990	LR140	L	R	E	TE				
TCA105	IG 3	I	G	E	SI				
TCA105	IG 3	I	G	E	SI				
TCA105B	IG 3	I	G	E	SI				
TCA105B	IG 3	I	G	E	SI				
TCA150 A	LA40	L	A	E	SE				
TCA150 A	LA40	L	A	E	SE				
TCA150 B	LA40	L	A	E	SE				
TCA150 B	LA40	L	A	E	SE				
TCA160	LA41	L	A	E	PH				
TCA160	LA41	L	A	E	PH				
TCA210	LA42	L	A	E	PH				
TCA220	LO155	L	O	E	PH				
TCA270	LR141	L	R	E	PH				
TCA270	LR141	L	R	E	PH				
TCA290A	LR142	L	R	E	PH				

type	fig	1	2	3	4	europe	europe	america	america
TCA315A	LO139	L	O	E	SI				
TCA325A	LO139	L	O	E	SI				
TCA335A	LO139	L	O	E	SI				
TCA345A	IG 4	I	G	E	SI				
TCA350	LX21	L	X	A	IT				
TCA350	LX21	L	X	A	IT				
TCA360	LX22	L	X	A	IT				
TCA410A	LG6	L	G	E	PH				
TCA410B	LG6	L	G	E	PH				
TCA420A	LR143	L	R	E	PH				
TCA430N	LE6	L	E	A	IT				
TCA440		L	R	E	SI				
TCA475	LX23	L	X	E	SE				
TCA490A	LO127	L	O	E	PH				
TCA490B	LO127	L	O	E	PH				
TCA490C	LO127	L	O	E	PH				
TCA511	LR144	L	R	E	SG				
TCA520B	LO102	L	O	E	PH				
TCA540	LR145	L	R	E	PH				
TCA540	LR145	L	R	E	PH				
TCA600	LX25	L	X	E	SG				
TCA610	LX25	L	X	E	SG				
TCA671	LI 21	L	I	E	SI				
TCA830	LA43	L	A	E	SE				
TCA830	LA43	L	A	E	SE				
TCA830	LA43	L	A	E	TE				
TCA830	LA43	L	A	E	TE				
TCA860	LX26	L	X	A	IT				
TCA871	LI 22	L	I	E	SI				
TCA890	LR146	L	R	E	SI				
TCA900	LX24	L	X	E	SE	TCA910			
TCA900	LX24	L	X	E	SG	TCA910			
TCA910	LX24	L	X	E	SE				
TCA910	LX24	L	X	E	SG				
TCA940	LA36	L	A	E	SG				
TCA940F	LA36	L	A	E	SG				

type	fig	1	2	3	4	europe	europe	america	america
TDA440	LR147	L	R	E	TE				
TDA440	LR147	L	R	E	TE				
TDA0470	LE7	L	E	A	IT				
TDA1040	LX27	L	X	E	SE				
TDA1041	LX27	L	X	E	SE				
TDA1042	LA45	L	A	E	SE				
TDA1045	LA44	L	A	E	SE				
TDA1051		L	A	E	SE				
TDA1054		L	O	E	SG				
TDA1140		L	R	E	SG				
TDA1150		L	R	E	SG				
TDA1160		L	R	E	SG				
TDA1170	LR148	L	R	E	SG				
TDA1190	LR149	L	R	E	SG				
TDA1200	LR150	L	R	E	SG				
TDA1270	LR148	L	R	E	SG				
TDA1405	LV5	L	V	E	SE	L 129			
TDA1405	LV5	L	V	E	SG	L 129			
TDA1410	LI 22	L	I	E	SG				
TDA1412	LV5	L	V	E	SE	L 130			
TDA1412	LV5	L	V	E	SG	L 130			
TDA1415	LV5	L	V	E	SE	L 131			
TDA1415	LV5	L	V	E	SG	L 131			
TDA1420	LI 22	L	I	E	SG				
TDA2010	LA46	L	A	E	SG	TDA2020			
TDA2020	LA46	L	A	E	SG	(TDA2010)			
TL1709C	LO112	L	O	E	TE			μA709 C	
TL1723C	LV2	L	V	E	TE			μA723 C	
TL1741C	LO1	L	O	E	TE			μA741 C	
TL3709C	LO115	L	O	E	TE			μA709 C	
TL3723C	LV1	L	V	E	TE			μA723 C	
TL3741C	LO70	L	O	E	TE			μA741 C	
TL4741C	LO14	L	O	E	TE			μA741 C	
U106BS	LZ6	L	Z	E	TE				
U107B	LX28	L	X	E	TE				
U107M		L	X	E	TE				

type	fig	1	2	3	4	europe	europe	america	america
U110B	LO156	L	O	E	TE				
U112B	LX29	L	X	E	TE				
U113B	LX30	L	X	E	TE				
U140M				E	TE				
UAA110	LR151	L	R	A	IT				
UAA145	LZ7	L	Z	E	TE				
UAA170	II 21	I	I	E	SI				
μA78G C	LV37	L	V	A	FC			78G C	
μA78G C	LV36	L	V	A	FC			78G C	
μA78H05 C	LV4	L	V	A	FC			78H05 C	
μA78L02 C	LV6	L	V	A	FC			LM78L05	78L02 C
μA78L02 C	LV7	L	V	A	FC			LM78L05	78L02 C
μA78L05 C	LV6	L	V	A	FC			LM78L05	78L05 C
μA78L05 C	LV7	L	V	A	FC			LM78L05	78L05 C
μA78L06 C	LV6	L	V	A	FC			LM78L06	78L06 C
μA78L06 C	LV7	L	V	A	FC			LM78L06	78L06 C
μA78L08 C	LV6	L	V	A	FC			78L08 C	
μA78L08 C	LV7	L	V	A	FC			78L08 C	
μA78L12 C	LV6	L	V	A	FC			LM78L12	78L12 C
μA78L12 C	LV7	L	V	A	FC			LM78L12	78L12 C
μA78L15 C	LV6	L	V	A	FC			LM78L15	78L15 C
μA78L15 C	LV7	L	V	A	FC			LM78L15	78L15 C
μA78M05 C	LV6	L	V	A	FC			LM341-5.0 (LM340-5.0)	78M05 C
μA78M05 C	LV5	L	V	A	FC			LM341-5.0 (LM340-5.0)	78M05 C
μA78M06 C	LV6	L	V	A	FC			LM341-6.0 (LM340-6.0)	78M06 C
μA78M06 C	LV5	L	V	A	FC			LM341-6.0 (LM340-6.0)	78M06 C
μA78M08 C	LV6	L	V	A	FC			LM341-8.0 (LM340-8.5)	78M08 C
μA78M08 C	LV5	L	V	A	FC			LM341-8.0 (LM340-8.5)	78M08 C
μA78M12 C	LV6	L	V	A	FC			LM341-12 (LM340-12)	78M12 C
μA78M12 C	LV5	L	V	A	FC			LM341-12 (LM340-12)	78M12 C

type	fig	1	2	3	4	europe	europe	america	america
µA78M15 C	LV6	L	V	A	FC			LM341-15 (LM340-15)	78M15 C
µA78M15 C	LV5	L	V	A	FC			LM341-15 (LM340-15)	78M15 C
µA78M20 C	LV6	L	V	A	FC			(LM341-18)	78M20 C
µA78M20 C	LV5	L	V	A	FC			(LM341-18)	78M20 C
µA78M24 C	LV6	L	V	A	FC			LM341-24 (LM340-24)	78M24 C
µA78M24 C	LV5	L	V	A	FC			LM341-24 (LM340-24)	78M24 C
µA78MG C	LV38	L	V	A	FC			78MG C	
µA78MG C	LV38	L	V	A	FC			78MG C	
µA78MG C	LV38	L	V	A	FC			78MG C	
µA78N02 C Δ	LV15	L	V	A	FC			78N02 C	
µA78N04 C Δ	LV15	L	V	A	FC			78N04 C	
µA78N05 C*) Δ	LV15	L	V	A	FC			78N05 C	
µA78T05 C Δ	LV40	L	V	A	FC			78T05 C	
µA78T05 C Δ	LV40	L	V	A	FC			78T05 C	
µA78T06 C Δ	LV40	L	V	A	FC			78T06 C	
µA78T06 C Δ	LV40	L	V	A	FC			78T06 C	
µA78T12 C Δ	LV40	L	V	A	FC			78T12 C	
µA78T12 C Δ	LV40	L	V	A	FC			78T12 C	
µA78T15 C Δ	LV40	L	V	A	FC			78T15 C	
µA78T15 C Δ	LV40	L	V	A	FC			78T15 C	
µA78T17 C Δ	LV40	L	V	A	FC			78T17 C	
µA78T17 C Δ	LV40	L	V	A	FC			78T17 C	
µA78T18 C Δ	LV40	L	V	A	FC			78T18 C	
µA78T18 C Δ	LV40	L	V	A	FC			78T18 C	
µA79E02 C Δ		L	V	A	FC			79E02 C	
µA79E05 C Δ		L	V	A	FC			79E05 C	
µA79G C	LV42	L	V	A	FC			79G C	
µA79G C	LV41	L	V	A	FC			79G C	
µA79M05 C	LV14	L	V	A	FC			LM320M-5.0	79M05 C
µA79M05 C	LV16	L	V	A	FC			LM320M-5.0	79M05 C
µA79M05A C	LV14	L	V	A	FC			LM320M-5.0	79M05A C
µA79M05A C	LV16	L	V	A	FC			LM320M-5.0	79M05A C
µA79M06 C	LV14	L	V	A	FC			LM320M-6.0	79M06 C
µA79M06 C	LV16	L	V	A	FC			LM320M-6.0	79M06 C

*) V_{out} = 5,2 volt

type	fig	1	2	3	4	europe	europe	america	america
µA79M06A C	LV14	L	V	A	FC			LM320M-6.0	79M06A C
µA79M06A C	LV16	L	V	A	FC			LM320M-6.0	79M06A C
µA79M08 C	LV14	L	V	A	FC			LM320M-8.0	79M08 C
µA79M08 C	LV16	L	V	A	FC			LM320M-8.0	79M08 C
µA79M08A C	LV14	L	V	A	FC			LM320M-8.0	79M08A C
µA79M08A C	LV16	L	V	A	FC			LM320M-8.0	79M08A C
µA79M12 C	LV14	L	V	A	FC			LM320M-12	79M12 C
µA79M12 C	LV16	L	V	A	FC			LM320M-12	79M12 C
µA79M12A C	LV14	L	V	A	FC			LM320M-12	79M12A C
µA79M12A C	LV16	L	V	A	FC			LM320M-12	79M12A C
µA79M15 C	LV14	L	V	A	FC			LM320M-15	79M15 C
µA79M15 C	LV16	L	V	A	FC			LM320M-15	79M15 C
µA79M15A C	LV14	L	V	A	FC			LM320M-15	79M15A C
µA79M15A C	LV16	L	V	A	FC			LM320M-15	79M15A C
µA79M20 C	LV14	L	V	A	FC			(LM320M-18)	79M20 C
µA79M20 C	LV16	L	V	A	FC			(LM320M-18)	79M20 C
µA79M20A C	LV14	L	V	A	FC			(LM320M-18A)	79M20A C
µA79M20A C	LV16	L	V	A	FC			(LM320M-18A)	79M20A C
µA79M24 C	LV14	L	V	A	FC			LM320M-24	79M24 C
µA79M24 C	LV16	L	V	A	FC			LM320M-24	79M24 C
µA79M24A C	LV14	L	V	A	FC			LM320M-24	79M24A C
µA79M24A C	LV16	L	V	A	FC			LM320M-24	79M24A C
µA79MG C	LV39	L	V	A	FC			79MG C	
µA79MG C	LV39	L	V	A	FC			79MG C	
µA79MG C	LV39	L	V	A	FC			79MG C	
µA702 C	LO131	L	O	A	FC			702 C (LF356) (LM101) (MC1430)	MC1712 RC702 (LM301)
µA702 C	LO130	L	O	A	FC			702 C (LF356) (LM101) (MC1430)	MC1712 RC702 (LM301)
µA703 C	LR33	L	R	A	FC			LM703 (MFC6010)	703 C
µA704 C Ψ	LR152	L	R	A	FC			704 C	
µA705 C Ψ	LA47	L	A	A	FC			705 C	
µA706A C	LA48	L	A	A	FC			705A C	
µA706B C	LA48	L	A	A	FC			706B C	

type	fig	1	2	3	4	europe	europe	america	america
µA709 C	LO115	L	O	A	FC			SN52709 LM709 RC709	709 C MC1709
µA709 C	LO112	L	O	A	FC			SN52709 LM709 RC709	709 C MC1709
µA709 C	LO115	L	O	A	S			SN52709 LM709 RC709	709 C MC1709
µA709 C	LO112	L	O	A	S			SN52709 LM709 RC709	709 C MC1709
µA709 C	LO113	L	O	A	S			SN52709 LM709 RC709	709 C MC1709
µA710 C	LC22	L	C	A	FC			SN52710 LM710 RC710	710 C MC1710
µA710 C	LC21	L	C	A	FC			SN52710 LM710 RC710	710 C MC1710
µA710	LC22	L	C	A	S			SN52710 LM710 RC710	710 C MC1710
µA710 C	LC21	L	C	A	S			SN52710 LM710 RC710	710 C MC1710
µA710 C	LC23	L	C	A	S			SN52710 LM710 RC710	710 C MC1710
µA711 C	LC26	L	C	A	FC			SN52711 LM711 RC711 (MC1414)	711 C MC1711 MC1514
µA711 C	LC25	L	C	A	FC			SN52711 LM711 RC711 (MC1414)	711 C MC1711 MC1514
µA711 C	LC26	L	C	A	S			SN52711 LM711 RC711 (MC1414)	711 C MC1711 MC1514
µA711 C	LC25	L	C	A	S			SN52711 LM711 RC711 (MC1414)	711 C MC1711 MC1514
µA715 C	LO157	L	O	A	FC			715 C (LF157) (LM318)	(MC1552) (LM118) (MC1553)
µA715 C	LO158	L	O	A	FC			715 C (LF157) (LM318)	(MC1552) (LM118) (MC1553)
µA716 C Δ	LO159	L	O	A	FC			716 C	(LM380)
µA717E C Δ	LO160	L	O	A	FC			717E C	

type	fig	1	2	3	4	europe	europe	america	america
µA719 C Δ	LR153	L	R	A	FC			719 C (LM273)	(MC1357) (LM373)
µA720 C	LR154	L	R	A	FC			720 C	LM1820
µA720 C	LR154	L	R	A	FC			720 C	LM1820
µA722 C	IC1	I	C	A	FC			722 C (LMDAC-01)	(LM11340)
µA722B C	IC1	I	C	A	FC			722B C	
µA723 C	LV1	L	V	A	FC	TDB0723	SF.C2723	SN52723 LM723 RC723 TVR2723 (MC1460) SN72723	723 C MC1723 SG723 ML723 (MC1560)
µA723 C	LV2	L	V	A	FC	TDB0723	SF.C2723	SN52723 MC1723 RC723 TVR2723 (MC1460) SN72723	723 C LM723 SG723 ML723 (MC1560)
µA723 C	LV1	L	V	A	S	TDB0723	SF.C2723	SN52723 MC1723 RC723 TVR2723 (MC1460) SN72723	723 C LM723 SG723 ML723 (MC1560)
µA723 C	LV1	L	V	A	S	TDB0723	SF.C2723	SN52723 MC1723 RC723 TVR2723 (MC1460) SN72723	723 C LM723 SG723 ML723 (MC1560)
µA723 C	LV2	L	V	A	S	TDB0723	SF.C2723	SN52723 MC1723 RC723 TVR2723 (MC1460) SN72723	723 C LM723 SG723 ML723 (MC1560)
µA725 C	LO7	L	O	A	FC			725 C LM725 (MC1556)	(MC1456) RC725
µA725E C	LO7	L	O	A	FC			725E C	
µA726 C	LI23	L	I	A	FC			726 C (LM114)	(LM394)
µA727 C	LD5	L	D	A	FC			727 C (LH1725)	(LM121)
µA728 C Ψ	LV43	L	V	A	FC			728 C	
µA729 C Δ	LR48	L	R	A	FC			LM1304 (MC1305)	729 C
µA729 C Δ	LR48	L	R	A	FC			LM1304 (MC1305)	729 C
µA730 C	LD6	L	D	A	FC			730 C (LM733) (MC1525)	MC1429 (LM114) (MC1526)
µA731 C Δ	IS17	I	S	A	FC			731 C	

type	fig	1	2	3	4	europe	europe	america	america
μA731 C Δ	IS17	I	S	A	FC			731 C	
μA732 C	LR48	L	R	A	FC			SN76104 (MC1304) (LM1305)	732 C (LM1304) ULN2120
μA732 C	LR48	L	R	A	FC			SN76104 (LM1304) (LM1305)	732 C (MC1304) ULN2120
μA733 C	LR44	L	R	A	FC			SN52733 MC1733 RC733 (MC1445) (MC1519)	733 C LM733 (MC1545) (MC1510)
μA733 C	LR42	L	R	A	FC			SN52733 MC1733 RC733 (MC1445) (MC1519)	733 C LM733 (MC1545) (MC1510)
μA733 C	LR44	L	R	A	S			SN52733 MC1733 RC733 (MC1445) (MC1519)	733 C LM733 (MC1545) (MC1510)
μA733 C	LR42	L	R	A	S			SN52733 MC1733 RC733 (MC1445) (MC1519)	733 C LM733 (MC1545) (MC1510)
μA733 C	LR43	L	R	A	S			SN52733 MC1733 RC733 (MC1445) (MC1519)	733 C LM733 (MC1545) (MC1510)
μA734 C	LC43	L	C	A	FC			734 C (LM311)	(LM111)
μA734 C	LC42	L	C	A	FC			734 C (LM311)	(LM111)
μA735 C	LO161	L	O	A	FC			735 C	LM4250
μA737E C	LR155	L	R	A	FC			737E C	
μA739 C	LO162	L	O	A	FC			739 C (LM381)	(MC1303) (LM1303)
μA739 C	LO162	L	O	A	FC			739 C (LM381)	(MC1303) (LM1303)
μA740 C	LO1	L	O	A	FC			740 C (LH0042)	(LH740)
μA740 C	LO1	L	O	A	S			740 C (LH0042)	(LH740)
μA741 C	LO70	L	O	A	FC			SN52741 MC1741 RC741	741 C LM741 (MC1536)
μA741 C	LO1	L	O	A	FC			SN52741 MC1741 LM741	741 C RC741 (MC1536)
μA741 C	LO14	L	O	A	FC			SN52741 MC1741	741 C LM741

type	fig	1	2	3	4	europe	europe	america	america
μA741 C	LO14	L	O	A	FC			LM741	(MC1536)
μA741 C	LO70	L	O	A	S			SN52741 MC1741 RC741	741 C LM741 (MC1536)
μA741 C	LO1	L	O	A	S			SN52741 MC1741 RC741	741 C LM741 (MC1536)
μA741 C	LO14	L	O	A	S			SN52741 MC1741 RC741	741 C LM741 (MC1536)
μA741E C	LO70	L	O	A	FC			741E C	LM741E
μA741E C	LO1	L	O	A	FC			741E C	LM741E
μA742 C	LZ8	L	Z	A	FC			742 C	
μA742 C	LZ8	L	Z	A	FC			742 C	
μA745 C	LO163	L	O	A	FC			745 C	
μA746 C	LR46	L	R	A	FC			746 C LM746	(MC1328) (MC1326)
μA746 C	LR45	L	R	A	FC			746 C LM746	(MC1328) (MC1326)
μA746 C	LR46	L	R	A	FC			746 C LM746	(MC1328) (MC1326)
μA747 C	LO25	L	O	A	FC	TBC0747	TBB0747	SN52747 MC1747 CA3747 SG747 SN72747	747 C LM747 RC747 (MC1558) ML747
μA747 C	LO19	L	O	A	FC	TBC0747	TBB0747	SN52747 MC1747 CA3747 SG747 SN72747	747 C LM747 RC747 (MC1558) ML747
μA747 C	LO25	L	O	A	S	TBC0747	TBB0747	SN52747 MC1747 CA3747 SG747 SN72747	747 C LM747 RC747 (MC1558) ML747
μA747 C	LO25	L	O	A	S	TBC0747	TBB0747	SN52747 MC1747 CA3747 SG747 SN72747	747 C LM747 RC747 (MC1558) ML747
μA747 C	LO19	L	O	A	S	TBC0747	TBB0747	SN52747 MC1747 CA3747 SG747 SN72747	747 C LM747 RC747 (MC1558) ML747
μA747 M	LO25	L	O	A	FC	TBC0747	TBB0747	SN72747 MC1747 CA3747 SG747 SN52747	747 M LM747 RC747 (MC1558) ML747
μA747 M	LO19	L	O	A	FC	TBC0747	TBB0747	SN72747 MC1747 CA3747	747 M LM747 RC747

type	fig	1	2	3	4	europe	europe	america	america
μA747 M	LO19	L	O	A	FC			SG747 SN52747	(MC1558) ML747
μA747E C	LO25	L	O	A	FC	TBC0747	TBB747	SN72747 MC1747 CA3747 SG747 SN52747	747E C LM747E RC747 (MC1558) ML747
μA747E C	LO19	L	O	A	FC	TBC0747	TBB0747	SN72747 MC1747 CA3747 SG747 SN52747	747E C LM747E RC747 (MC1558) ML747
μA748 C	LO135	L	O	A	FC	TBB0748	SF.C2748C	SN52748 MC1748 RC748 ML748 LM201 CA3748	748 C LM748 SG748 LM101 SN72748 TOA2748
μA748 C	LO3	L	O	A	FC	TBB0748	SF.C2748C	SN52748 MC1748 RC748 CA3748 ML748 LM201	748 C LM748 SG748 TOA2748 LM101 SN72748
μA748 C	LO4	L	O	A	FC	TBB0748	SF.C2748C	SN52748 MC1748 RC748 CA3748 ML748 LM201	748 C LM748 SG748 TOA2748 LM101 SN72748
μA748 C	LO135	L	O	A	S	TBB0748	SF.C2748C	SN52748 MC1748 RC748 CA3748 ML748 LM201	748 C LM748 SG748 TOA2748 LM101 SN72748
μA748 C	LO3	L	O	A	S	TBB0748	SF C2748C	SN52748 MC1748 RC748 CA3748 ML748 LM201	748 C LM748 SG748 TOA2748 LM101 SN72748
μA748 C	LO4	L	O	A	S	TBB0748	SF C2748C	SN52748 MC1748 RC748 CA3748 ML748 LM201	748 C LM748 SG748 TOA2748 LM101 SN72748
μA749 C	LO165	L	O	A	FC			749 C (LM1303) (MC1537)	(MC1437) (MC1438)
μA749 C	LO165	L	O	A	FC			749 C (LM1303) (MC1537)	(MC1437) (MC1438)
μA749D C	LO164	L	O	A	FC			749D C LM1303	(MC1535)
μA750 C	LC44	L	C	A	FC			750 C LM311	(LM111) LM711
μA751 C	LR156	L	R	A	FC			751 C	

type	fig	1	2	3	4	europe	europe	america	america
μA753 C	LR157	L	R	A	FC			753 C	(LM3011)
μA754 C Δ	LR159	L	R	A	FC			754 C LM3065	(MC1355) (MC1351)
μA754 C Δ	LR158	L	R	A	FC			754 C LM3065	(MC1355) (MC1351)
μA754 C Δ	LR159	L	R	A	FC			754 C LM3065	(MC1355) (MC1351)
μA757 C	LR160	L	R	A	FC			757 C (LM374) (MC1550)	(MC1350) (MC1352) (MC1590)
μA757 C	LR160	L	R	A	FC			757 C (LM374) (MC1550)	(MC1350) (MC1352) (MC1590)
μA758 C	LR161	L	R	A	FC			758 C	LM1800
μA758 C	LR161	L	R	A	FC			758 C	LM1800
μA758 C	LR161	L	R	A	S			758 C	LM1800
μA760 C	LC46	L	C	A	FC			760 C LM360	LM160 LM361
μA760 C	LC45	L	C	A	FC			760 C LM360	LM160 LM361
μA761 C	IS6	I	S	A	FC			761 C LM7525	LM7524
μA761 C	IS6	I	S	A	FC			761 C LM7525	LM7524
μA767 C	LR48	L	R	A	FC			767 C (LM1304)	(MC1307)
μA767 C	LR48	L	R	A	FC			767 C (LM1304)	(MC1307)
μA768 C	LR48	L	R	A	FC			768 C	(LM1304)
μA768 C	LR48	L	R	A	FC			768 C	(LM1304)
μA769 C	LR48	L	R	A	FC			769 C	(LM1304)
μA769 C	LR48	L	R	A	FC			769 C	(LM1304)
μA771 C Ψ	LO166	L	O	A	FC			771 C (LM725)	(LM121)
μA772 C Ψ	LO167	L	O	A	FC			772 C	
μA776 C	LO93	I	O	A	FC			776 C LM4250	MC1776
μA776 C	LO65	L	O	A	FC			776 C LM4250	MC1776
μA776 C	LO123	L	O	A	FC			776 C LM4250	MC1776
μA777 C	LO70	L	O	A	FC			777 C LM101	(LM108) LM301
μA777 C	LO1	L	O	A	FC			777 C LM101	(LM108) LM301
μA777 C	LO4	L	O	A	FC			777 C	(LM108)

type	fig	1	2	3	4	europe	europe	america	america
μA777 C	LO4	L	O	A	FC			LM101	LM301
μA780 C	LR162	L	R	A	FC			780 C LM3070	(MC1370)
μA780 C	LR162	L	R	A	FC			780 C LM3070	(MC1370)
μA781 C	LR163	L	R	A	FC			781 C LM3071	(MC1371)
μA781 C	LR163	L	R	A	FC			781 C LM3071	(MC1371)
μA782 C Δ				A	FC			782	
μA783 C Δ				A	FC			783 C	
μA784 C Δ	LR109	L	R	A	FC	TAA640		784 C	LM3065
μA785 C Δ	LR110	L	R	A	FC	TAA700		785 C	
μA786 C	LR106	L	R	A	FC	TAA630		786 C	(LM3067)
μA786 C	LR106	L	R	A	FC	TAA630		786 C	(LM3067)
μA791 C	LO168	L	O	A	FC			791 C	(LH0021)
μA791 C	LO169	L	O	A	FC			791 C	(LH0021)
μA795 C Δ	LM8	L	M	A	FC			795 C	
μA795 C Δ	LM8	L	M	A	FC			795 C	
μA796 C	LR54	L	R	A	FC			796 C LM1596	MC1496 LM1496
μA798 C Δ	LO28	L	O	A	FC			798 C	
μA798 C Δ	LO26	L	O	A	FC			798 C	
μA798 C Δ	LO26	L	O	A	FC			798 C	
μA799 C	LO1								
μA799 C	LO14								
μA799 C	LO14								
μA7805 C	LV4	L	V	A	FC	TDB7805	SF.C2805	7805 C LM340-5.0 SG7805	MC7805 RC7805
μA7805 C	LV5	L	V	A	FC	TDB7805	SF.C2805	7805 C LM340-5.0 SG7805	MC7805 RC7805
μA7806 C	LV4	L	V	A	FC	TDB7806	SF.C2806	7806 C LM340-6.0 SG7806	MC7806 RC7806
μA7806 C	LV5	L	V	A	FC	TDB7806	SF.C2806	7806 C LM340-6.0 SG7806	MC7806 RC7806
μA7808 C	LV4	L	V	A	FC	TDB7808	SF.C2808	7808 C LM340-8.0 SG7808	MC7808 RC7808
μA7808 C	LV5	L	V	A	FC	TDB7808	SF.C2808	7808 C LM340-8.0 SG7808	MC7808 RC7808

type	fig	1	2	3	4	europe	europe	america	america
μA7812 C	LV4	L	V	A	FC	TDB7812	SF.C2812	7812 C LM340-12 SG7812	MC7812 RC7812
μA7812 C	LV5	L	V	A	FC	TDB7812	SF.C2812	7812 C LM340-12 SG7812	MC7812 RC7812
μA7815 C	LV4	L	V	A	FC	TDB7815	SF.C2815	7815 C LM340-15 SG7815	MC7815 RC7815
μA7815 C	LV5	L	V	A	FC	TDB7815	SF.C2815	7815 C LM340-15 SG7815	MC7815 RC7815
μA7818 C	LV4	L	V	A	FC	TDB7818	SF.C2818	7818 C LM340-18 SG7818	MC7818 RC7818
μA7818 C	LV5	L	V	A	FC	TDB7818	SF.C2818	7818 C LM340-18 SG7818	MC7818 RC7818
μA7824 C	LV4	L	V	A	FC	TDB7824	SF.C2824	7824 C LM340-24 SG7824	MC7824 RC7824
78G C	LV37	L	V	A	FC			μA78G C	
78G C	LV36	L	V	A	FC			μA78G C	
78H05 C	LV4	L	V	A	FC			μA78H05 C	
78H05 M	LV4	L	V	A	FC			μA78H05 M	
78L02 C	LV6	L	V	A	FC			μA78L02 C	LM78L05C
78L02 C	LV7	L	V	A	FC			μA78L02 C	LM78L05C
78L05 C	LV6	L	V	A	FC			μA78L05 C	LM78L05
78L05 C	LV7	L	V	A	FC			μA78L05 C	LM78L05
78L06 C	LV6	L	V	A	FC			μA78L06 C	LM78L06
78L06 C	LV7	L	V	A	FC			μA78L06 C	LM78L06
78L08 C	LV6	L	V	A	FC			μA78L08 C	
78L08 C	LV7	L	V	A	FC			μA78L08 C	
78L12 C	LV6	L	V	A	FC			μA78L12 C	LM78L12
78L12 C	LV7	L	V	A	FC			μA78L12 C	LM78L12
78L15 C	LV6	L	V	A	FC			μA78L15 C	LM78L15
78L15 C	LV7	L	V	A	FC			μA78L15 C	LM78L15
78M05 C	LV6	L	V	A	FC			μA78M05 C (LM340-5.0)	LM341-5.0
78M05 C	LV5	L	V	A	FC			μA78M05 C (LM340-5.0)	LM341-5.0
78M05 M	LV6	L	V	A	FC				
78M05 M	LV5	L	V	A	FC				
78M06 C	LV6	L	V	A	FC			μA78M06 C (LM340-6.0)	LM341-6.0

type	fig	1	2	3	4	europe	europe	america	america
78M06 C	LV5	L	V	A	FC			μA78M06 C (LM340-6.0)	LM341-6.0
78M06 M	LV6	L	V	A	FC				
78M08 C	LV6	L	V	A	FC			μA78M08 C (LM340-8.5)	LM341-8.0
78M08 C	LV5	L	V	A	FC			μA78M08 C (LM340-8.5)	LM341-8.0
78M08 M	LV6	L	V	A	FC				
78M12 C	LV6	L	V	A	FC			μA78M12 C (LM340-12)	LM341-12
78M12 C	LV5	L	V	A	FC			μA78M12 C (LM340-12)	LM341-12
78M12 M	LV6	L	V	A	FC				
78M15 C	LV6	L	V	A	FC			μA78M15 C (LM340-15)	LM341-15
78M15 C	LV5	L	V	A	FC			μA78M15 C (LM340-15)	LM341-15
78M15 M	LV6	L	V	A	FC				
78M20 C	LV6	L	V	A	FC			μA78M20 C	(LM341-18)
78M20 C	LV5	L	V	A	FC			μA78M20 C	(LM341-18)
78M20 M	LV6	L	V	A	FC				
78M24 C	LV6	L	V	A	FC			μA78M24 C (LM340-24)	LM341-24
78M24 C	LV5	L	V	A	FC			μA78M24 C (LM340-24)	LM341-24
78M24 M	LV6	L	V	A	FC				
78MG C	LV38	L	V	A	FC			μA78MG C	
78MG C	LV38	L	V	A	FC			μA78MG C	
78MG C	LV38	L	V	A	FC			μA78MG C	
78N02 C Δ	LV15	L	V	A	FC			μA78N02 C	
78N02 M Ψ	LV15	L	V	A	FC				
78N04 C Δ	LV15	L	V	A	FC			μA78N04 C	
78N04 M Ψ	LV15	L	V	A	FC				
78N05 C*) Δ	LV15	L	V	A	FC			μA78N05 C	
78N05 M*) Ψ	LV15	L	V	A	FC				
78T05 C Δ	LV40	L	V	A	FC			μA78T05 C	
78T05 C Δ	LV40	L	V	A	FC			μA78T05 C	
78T05 M Ψ	LV40	L	V	A	FC				
78T05 M Ψ	LV40	L	V	A	FC				
78T06 C Δ	LV40	L	V	A	FC			μA78T06 C	
78T06 C Δ	LV40	L	V	A	FC			μA78T06 C	

*) = 5,2 volt

type	fig	1	2	3	4	europe	europe	america	america
78T06 M Ψ	LV40	L	V	A	FC				
78T06 M Ψ	LV40	L	V	A	FC				
78T12 C Δ	LV40	L	V	A	FC			μA78T12 C	
78T12 C Δ	LV40	L	V	A	FC			μA78T12 C	
78T12 M Ψ	LV40	L	V	A	FC				
78T12 M Ψ	LV40	L	V	A	FC				
78T15 C Δ	LV40	L	V	A	FC			μA78T15 C	
78T15 C Δ	LV40	L	V	A	FC			μA78T15 C	
78T15 M Ψ	LV40	L	V	A	FC				
78T15 M Ψ	LV40	L	V	A	FC				
78T17 C Δ	LV40	L	V	A	FC			μA78T17 C	
78T17 C Δ	LV40	L	V	A	FC			μA78T17 C	
78T17 M Ψ	LV40	L	V	A	FC				
78T17 M Ψ	LV40	L	V	A	FC				
78T18 C Δ	LV40	L	V	A	FC			μA78T18 C	
78T18 C Δ	LV40	L	V	A	FC			μA78T18 C	
78T18 M Ψ	LV40	L	V	A	FC				
78T18 M Ψ	LV40	L	V	A	FC				
79E02 C		L	V	A	FC			μA79E02 C	
79E05 C		L	V	A	FC			μA79E05 C	
79G C	LV42	L	V	A	FC			μA79G C	
79G C	LV41	L	V	A	FC			μA79G C	
79M05 C	LV14	L	V	A	FC			μA79M05 C	LM320M-5.0
79M05 C	LV16	L	V	A	FC			μA79M05 C	LM320M-5.0
79M05 M	LV14	L	V	A	FC				
79M05A C	LV14	L	V	A	FC			μA79M05A C	LM320M-5.0
79M05A C	LV16	L	V	A	FC			μA79M05A C	LM320M-5.0
79M06 C	LV14	L	V	A	FC			μA79M06 C	LM320M-6.0
79M06 C	LV16	L	V	A	FC			μA79M06 C	LM320M-6.0
79M06 M	LV14	L	V	A	FC				
79M06A C	LV14	L	V	A	FC			μA79M06A C	LM320M-6.0
79M06A C	LV16	L	V	A	FC			μA79M06A C	LM320M-6.0
79M08 C	LV14	L	V	A	FC			μA79M08 C	LM320M-8.0
79M08 C	LV16	L	V	A	FC			μA79M08 C	LM320M-8.0
79M08 M	LV14	L	V	A	FC				
79M08A C	LV14	L	V	A	FC			μA79M08A C	LM320M-8.0

type	fig	1	2	3	4	europe	europe	america	america
79M08A C	LV16	L	V	A	FC			µA79M08A C	LM320M-8.0
79M12 C	LV14	L	V	A	FC			µA79M12 C	LM320M-12
79M12 C	LV16	L	V	A	FC			µA79M12 C	LM320M-12
79M12 M	LV14	L	V	A	FC				
79M12A C	LV14	L	V	A	FC			µA79M12A C	LM320M-12
79M12A C	LV16	L	V	A	FC			µA79M12A C	LM320M-12
79M15 C	LV14	L	V	A	FC			µA79M15 C	LM320M-15
79M15 C	LV16	L	V	A	FC			µA79M15 C	LM320M-15
79M15 M	LV14	L	V	A	FC				
79M15A C	LV14	L	V	A	FC			µA79M15A C	LM320M-15
79M15A C	LV16	L	V	A	FC			µA79M15A C	LM320M-15
79M20 C	LV14	L	V	A	FC			µA79M20 C	(LM320M-18)
79M20 C	LV16	L	V	A	FC			µA79M20 C	(LM320M-18)
79M20 M	LV14	L	V	A	FC				
79M20A C	LV14	L	V	A	FC			µA79M20A C	LM320M-18A
79M20A C	LV16	L	V	A	FC			µA79M20A C	LM320M-18A
79M24 C	LV14	L	V	A	FC			µA79M24 C	LM320M-24
79M24 C	LV16	L	V	A	FC			µA79M24 C	LM320M-24
79M24 M	LV14	L	V	A	FC				
79M24A C	LV14	L	V	A	FC			µA79M24A C	(LM320-24)
79M24A C	LV16	L	V	A	FC			µA79M24A C	(LM320-24)
79MG C	LV39	L	V	A	FC			µA79MG C	
79MG C	LV39	L	V	A	FC			µA79MG C	
79MG C	LV39	L	V	A	FC			µA79MG C	
702 C	LO131	L	O	A	FC			µA702 C (LF356) (LM101) (MC1430)	MC1712 RC702 (LM301)
702 C	LO130	L	O	A	FC			µA702 C (LF356) (LM101) (MC1430)	MC1712 RC702 (LM301)
703 C	LR33	L	R	A	FC			µA703 C LM703	MFC6010
704 C Ψ	LR152	L	R	A	FC			µA704C	
705 C Ψ	LA47	L	A	A	FC			µA705C	
706A C	LA48	L	A	A	FC	TBA641B		µA706AC	
706B C	LA48	L	A	A	FC	TBA641B		µA706BC	
709 C	LO115	L	O	A	FC			SN52709 LM709 RC709	µA709C MC1709

type	fig	1	2	3	4	europe	europe	america	america
709 C	LO112	L	O	A	FC			SN52709 MC1709 RC709	µA709C LM709
710 C	LC22	L	C	A	FC			SN52710 MC1709 RC710	µA710C LM710
710 C	LC21	L	C	A	FC			SN52710 LM710 RC710	µA710C MC1709
711 C	LC26	L	C	A	FC			SN52711 MC1711 RC711 (MC1514)	µA711C LM711 (MC1414)
711 C	LC25	L	C	A	FC			SN52711 MC1711 RC711 (MC1514)	µA711C LM711 (MC1414)
715 C	LO157	L	O	A	FC			µA715C (LF157) (LM318)	MC1552 (LM118) (MC1553)
715 C	LO158	L	O	A	FC			µA715C (LF157) (LM318)	MC1552 (LM118) (MC1553)
716 C Δ	LO159	L	O	A	FC			µA716C	(LM380)
717E C Δ	LO160	L	O	A	FC			µA717E	
719 C Δ	LR153	L	R	A	FC			µA719C LM373	(MC1357) (LM273)
720 C	LR154	L	R	A	FC			µA720	LM1820
720 C	LR154	L	R	A	FC			µA720	LM1820
722 C	IC1	I	C	A	FC			µA722 (LMDAC-01)	(LM11340)
722B C	IC1	I	C	A	FC			µA722B	
723 C	LV1	L	V	A	FC	TDB0723	SF.C2723	µA723C MC1723 RC723 TVR2723 (MC1460) SN72723	SN52723 LM723 SG723 ML723 (MC1560)
723 C	LV2	L	V	A	FC	TDB0723	SF.C2723	µA723C MC1723 RC723 TVR2723 (MC1460) SN72723	SN52723 LM723 SG723 ML723 (MC1560)
725 C	LO7	L	O	A	FC			µA725C LM725 (MC1556)	(MC1456) RC725
725E C	LO7	L	O	A	FC			µA725E	
726 C	LI23	I	I	A	FC			µA726C (LM114)	(LM394)
727 C	LD5	L	D	A	FC			µA727C (LH1725)	(LM121)

type	fig	1	2	3	4	europe	europe	america	america
728 C Ψ	LV43	L	V	A	FC			μA728C	
729 C Δ	LR48	L	R	A	FC			μA729 LM1304	MC1305
729 C	LR48	L	R	A	FC			μA729 LM1304	MC1305
730 C	LD6	L	D	A	FC			μA730C (LM733) (MC1525)	MC1429 (LM114) (MC1526)
731 C Δ	IS7	I	S	A	FC			μA731 C	
731 C Δ	IS7	I	S	A	FC			μA731 C	
732 C	LR48	L	R	A	FC			SN76104 μA732C LM1305	MC1304 LM1304 ULN2120
732 C	LR48	L	R	A	FC			SN76104 μA732C LM1305	MC1304 LM1304 ULN2120
733 C	LR44	L	R	A	FC			μA733C MC1733 RC733 (MC1445) (MC1519)	SN52733 LM733 (MC1545) (MC1510)
733 C	LR42	L	R	A	FC			μA733C MC1733 RC733 (MC1445) (MC1519)	SN52733 LM733 (MC1545) (MC1510)
734 C	LC43	L	C	A	FC			μA734C (LM311)	(LM111)
734 C	LC42	L	C	A	FC			μA734C (LM311)	(LM111)
735 C	LO61	L	O	A	FC			μA735C	LM4250
737E	LR155	L	R	A	FC			μA737E	
739 C	LO162	L	O	A	FC			μA739C (LM381)	(MC1303) (LM1303)
739 C	LO162	L	O	A	FC			μA739C (LM381)	(MC1303) (LM1303)
740 C	LO1	L	O	A	FC			μA740C (LH0042)	(LH740)
741 C	LO70	L	O	A	FC			SN52741 μA741C RC741	MC1741 LM741 (MC1536)
741 C	LO1	L	O	A	FC			SN52741 μA741C RC741	MC1741 LM741 (MC1536)
741 C	LO14	L	O	A	FC			SN52741 μA741C RC741	MC1741 LM741 (MC1536)
741E C	LO70	L	O	A	FC			μA741E	LM741E
741E C	LO1	L	O	A	FC			μA741E	LM741E
742 C	LZ8	L	O	A	FC			μA742C	

type	fig	1	2	3	4	europe	europe	america	america
742 C	LZ8	L	Z	A	FC			μA742C	
745 C	LO163	L	O	A	FC			μA745C	
746 C	LR46	L	R	A	FC			μA746C LM746	(MC1328) (MC1326)
746 C	LR45	L	R	A	FC			μA746C (MC1326)	(MC1328) LM746
746 C	LR46	L	R	A	FC			μA746C LM746	(MC1328) (MC1326)
747 C	LO25	L	O	A	FC	TBC0747	TBB0747	μA747C MC1747 RC747 (MC1558) ML747	SN52747 LM747 SG747 SN72747 CA3747
747 C	LO19	L	O	A	FC	TBC0747	TBB0747	μA747C MC1747 CA3747 SG747 SN72747	SN52747 LM747 RC747 (MC1558) ML747
747 M	LO25	L	O	A	FC	TBC0747	TBB0747	μA747 MC1747 CA3747 SG747 SN72747	SN52747 LM747 RC747 (MC1558) ML747
747 M	LO19	L	O	A	FC	TBC0747	TBB0747	μA747 MC1747 CA3747 SG747 SN72747	SN52747 LM747 RC747 (MC1558) ML747
747E C	LO25	L	O	A	FC	TBC0747	TBB0747	μA747E MC1747 CA3747 SG747 SN72747	SN52747 LM747E RC747 MC1558 ML747
747E C	LO19	L	O	A	FC	TBC0747	TBB0747	μA747E MC1747 CA3747 SG747 SN72747	SN52747 LM747E RC747 MC1558 ML747
748 C	LO135	L	O	A	FC	TBB0748	SF.C2748C	μA748C MC1748 CA3748 RC748 ML748 LM201	SN52748 LM748 TOA2748 SG748 LM101 SN72748
748 C	LO3	L	O	A	FC	TBB0748	SF.C2748C	μA748C MC1748 CA3748 RC748 ML748 LM201	SN52748 LM748 TOA2748 SG748 LM101 SN72748
748 C	LO4	L	O	A	FC	TBB0748	SF.C2748C	μA748C MC1748 CA3748 RC748 ML748 LM201	SN52748 LM748 TOA2748 SG748 LM101 SN72748
749 C	LO165	L	O	A	FC			μA749C (LM1303)	(MC1437) (MC1438)

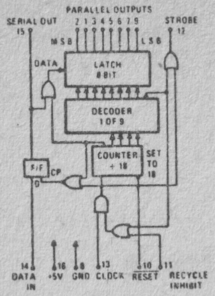
type	fig	1	2	3	4	europe	europe	america	america
749 C	LO165	L	O	A	FC			(MC1537)	
749 C	LO165	L	O	A	FC			μA749C (LM1303) (MC1537)	(MC1437) (MC1438)
749D C	LO164	L	O	A	FC			μA749D LM1303	(MC1535)
750 C	LC44	L	C	A	FC			μA750C LM311	(LM111) LM711
751 C	LR156	L	R	A	FC			μA751C	
753 C	LR157	L	R	A	FC			μA753C	(LM3011)
754 C Δ	LR159	L	R	A	FC			μA754C LM3065	(MC1355) (MC1351)
754 C Δ	LR158	L	R	A	FC			μA754C LM3065	(MC1355) (MC1351)
754 C Δ	LR159	L	R	A	FC			μA754C LM3065	(MC1355) (MC1351)
757 C	LR160	L	R	A	FC			μA757C (LM374) (MC1550)	(MC1350) (MC1352) (MC1590)
757 C	LR160	L	R	A	FC			μA757C (LM374) (MC1550)	(MC1350) (MC1352) (MC1590)
758 C	LR161	L	R	A	FC			μA758C	LM1800
758 C	LR161	L	R	A	FC			μA758C	LM1800
760 C	LC46	L	C	A	FC			μA760C LM360	LM160 LM361
760 C	LC45	L	C	A	FC			μA760C LM360	LM160 LM361
761 C	IS6	I	S	A	FC			μA761 LM7525	LM7524
761 C	IS6	I	S	A	FC			μA761 LM7525	LM7524
767 C	LR48	L	R	A	FC			μA767C (LM1304)	(MC1307)
767 C	LR48	L	R	A	FC			μA767C (LM1304)	(MC1307)
768 C	LR48	L	R	A	FC			μA768C	(LM1304)
768 C	LR48	L	R	A	FC			μA768C	(LM1304)
769 C	LR48	L	R	A	FC			μA769C	(LM1304)
769 C	LR48	L	R	A	FC			μA769C	(LM1304)
771 C Ψ	LO166	L	O	A	FC			μA771C (LM725)	(LM121)
772 C Ψ	LO167	L	O	A	FC			μA772C	
776 C	LO93	L	O	A	FC			μA776C LM4250	MC1776
776 C	LO65	L	O	A	FC			μA776C	MC1776

type	fig	1	2	3	4	europe	europe	america	america
776 C	LO65	L	O	A	FC			LM4250	
776 C	LO123	L	O	A	FC			μA776C LM4250	MC1776
777 C	LO70	L	O	A	FC			μA777C LM101	(LM108) LM301
777 C	LO1	L	O	A	FC			μA777C LM101	(LM108) LM301
777 C	LO4	L	O	A	FC			μA777C LM101	(LM108) LM301
780 C	LR162	L	R	A	FC			μA780C LM3070	MC1370
780 C	LR162	L	R	A	FC			μA780C LM3070	MC1370
781 C	LR163	L	R	A	FC			μA781C LM3071	(MC1371)
781 C	LR163	L	R	A	FC			μA781C LM3071	(MC1371)
782 C Δ				A	FC			μA782C	
783 C Δ				A	FC			μA783C	
784 C Δ	LR109	L	R	A	FC	TAA640		μA784C	LM3065
785 C Δ	LR110	L	R	A	FC	TAA700		μA785C	
786 C	LR106	L	R	A	FC	TAA630		μA786C	(LM3067)
786 C	LR106	L	R	A	FC	TAA630		μA786C	(LM3067)
791 C	LO168	L	O	A	FC			μA791C	(LH0021)
795 C Δ	LM8	L	M	A	FC			μA795C	
795 C Δ	LM8	L	M	A	FC			μA795C	
796 C	LR54	L	R	A	FC			μA796C LM1596	MC1496 LM1496
798 C Δ	LO26	L	O	A	FC			μA798C	
7805 C	LV4	L	V	A	FC	TDB7805	SF.2805	μA7805 C LM340-5.0 SG7805	MC7805 RC7805
7805 C	LV5	L	V	A	FC	TDB7805	SF.2805	μA7805 C LM340-5.0 SG7805	MC7805 RC7805
7805 M	LV4	L	V	A	FC				
7806 C	LV4	L	V	A	FC	TDB7806	SF.C2806	μA7806 C LM340-6.0 SG7806	MC7806 RC7806
7806 C	LV5	L	V	A	FC	TDB7806	SF.C2806	μA7806 LM340-6.0 SG7806	MC7806 RC7806
7806 M	LV4	L	V	A	FC				
7808 C	LV4	L	V	A	FC	TDB7808	SF.C2808	μA7808 C LM340-8.0 SG7808	MC7808 RC7808

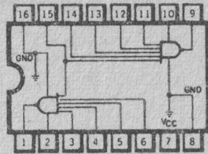
type	fig	1	2	3	4	europe	europe	america	america
7808 C	LV5	L	V	A	FC	TDB7808	SF.C2808	µA7808 C LM340-8.0 SG7808	MC7808 RC7808
7808 M	LV4	L	V	A	FC				
7812 C	LV4	L	V	A	FC	TDB7812	SF.C2812	µA7812 C LM340-12 SG7812	MC7812 RC7812
7812 C	LV5	L	V	A	FC	TDB7812	SF.C2812	µA7812 C LM340-12 SG7812	MC7812 RC7812
7812 M	LV4	L	V	A	FC				
7815 C	LV4	L	V	A	FC	TDB7815	SF.C2815	µA7815 C LM340-15 SG7815	MC7815 RC7815
7815 C	LV5	L	V	A	FC	TDB7815	SF.C2815	µA7815 C LM340-15 SG7815	MC7815 RC7815
7815 M	LV4	L	V	A	FC				
7818 C	LV4	L	V	A	FC	TDB7818	SF.C2818	µA7818 C LM340-18 SG7818	MC7818 RC7818
7818 C	LV5	L	V	A	FC	TDB7818	SF.C2818	µA7818 C LM340-18 SG7818	MC7818 RC7818
7818 M	LV4	L	V	A	FC				
7824 C	LV4	L	V	A	FC	TDB7824	SF.C7824	µA7824 C LM340-24 SG7824	MC7824 RC7824
7824 C	LV5	L	V	A	FC	TDB7824	SF.C2824	µA7824 C LM340-24 SG7824	MC7824 RC7824
7824 M	LV4	L	V	A	FC				
9600 C				A	FC				
9601 C				A	FC				
9602 C				A	FC				
9603 C				A	FC				
9614 C	IT18	I	T	A	FC			SN75114 SN75183 (DM7830)	(DM8830) (AM2614) SN55114
9614 C	IT18	I	T	A	FC			SN75114 SN75183 (DM7830)	(DM8830) (AM2614) SN55114
9615 C	IR25	I	R	A	FC			SN75115 (AM2615C) SN55115	(DM8820) (DM7820)
9615 C	IR25	I	R	A	FC			SN75115 (AM2615C) SN55115	(DM8820) (DM7820)
9616 C	IT19	I	T	A	FC			(SN75150) (MC1488)	(75150) (LM1488)

type	fig	1	2	3	4	europe	europe	america	america
9616 C	IT19	I	T	A	FC			(RC1488) (S8T15) (LM75150)	(RC75150) (SN75188) (N8T15)
9617 C	IR26	I	R	A	FC			(SN75189) (MC1489) (LM75154) (AM1489C) (SN75189A) (SN75154)	(75154) (LM1489A) (RC75154) (DM7822) (SN75152) (DM8822)
9620 C	IR27	I	R	A	FC				
9620 C	IR27	I	R	A	FC				
9621 C	IT16	I	T	A	FC			RM9621	RC9621
9621 C	IT16	I	T	A	FC			RM9621	RC9621
9622 C	IR19	I	R	A	FC			RC9622	RM9622
9622 C	IR19	I	R	A	FC			RC9622	RM9622
9624 C	IL12	I	L	A	FC				
9624 C	IL12	I	L	A	FC				
9625 C	IL13	I	L	A	FC				
9625 C	IL13	I	L	A	FC				
9627 C	IR28	I	R	A	FC			(SN75152) (S8T16)	(N8T16)
9627 C	IR28	I	R	A	FC			(SN75152) (S8T16)	(N8T16)
9644 C	IA2	I	A	A	FC			(DH0011)	
9644 C	IA2	I	A	A	FC			(DH0011)	
9650 C Ψ	IC2	I	C	A	FC				
9664 C	IS6	I	S	A	FC			SN7524	7524 C
9664 C	IS6	I	S	A	FC			SN7524	7524 C
9665 C	IS6	I	S	A	FC			SN7525	7525 C
9665 C	IS6	I	S	A	FC			SN7525	7525 C

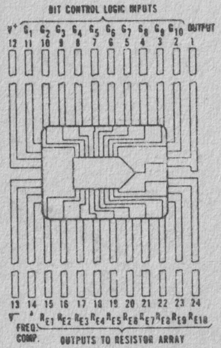
Pin Connections


PARALLEL OUTPUTS
SERIAL OUT
STROBE
MSB
LSB
DATA
LATCH 8 BIT
DECODER 1 OF 9
COUNTER ÷ 18
SET TO 18
F/F
CP
D
DATA IN
+5V
GND
CLOCK
RESET
RECYCLE INHIBIT

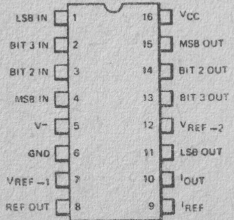
IA1



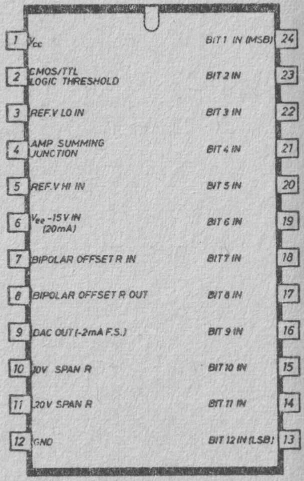
IA2


BIT CONTROL LOGIC INPUTS
OUTPUT
FREQ. COMP.
OUTPUTS TO RESISTOR ARRAY

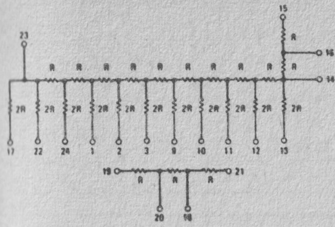
IC1


LSB IN
BIT 3 IN
BIT 2 IN
MSB IN
V-
GND
VREF -1
REF OUT
VCC
MSB OUT
BIT 2 OUT
BIT 3 OUT
VREF -2
LSB OUT
IOUT
IREF

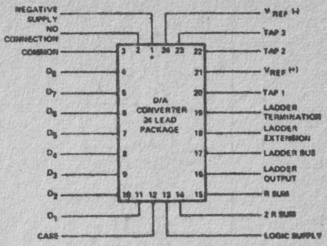
IC2


Vcc
CMOS/TTL LOGIC THRESHOLD
REF.V LO IN
AMP SUMMING JUNCTION
REF.V HI IN
Vee -15 V IN (20mA)
BIPOLAR OFFSET R IN
BIPOLAR OFFSET R OUT
DAC OUT (-2mA F.S.)
10V SPAN R
20V SPAN R
GND
BIT 1 IN (MSB)
BIT 2 IN
BIT 3 IN
BIT 4 IN
BIT 5 IN
BIT 6 IN
BIT 7 IN
BIT 8 IN
BIT 9 IN
BIT 10 IN
BIT 11 IN
BIT 12 IN (LSB)

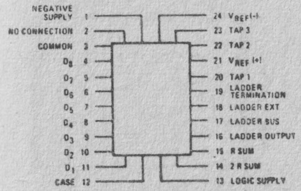
ID1



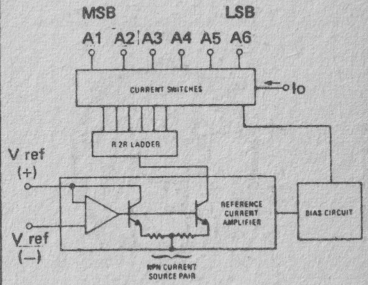
ID2


NEGATIVE SUPPLY
NO CONNECTION
COMMON
CASE
D/A CONVERTER 24 LEAD PACKAGE
VREF (-)
TAP 3
TAP 2
VREF (+)
TAP 1
LADDER TERMINATION
LADDER EXTENSION
LADDER BUS
LADDER OUTPUT
R SUM
2 R SUM
LOGIC SUPPLY

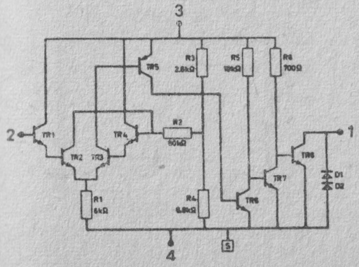
ID3


NEGATIVE SUPPLY
NO CONNECTION
COMMON
CASE
VREF (-)
TAP 3
TAP 2
VREF (+)
TAP 1
LADDER TERMINATION
LADDER EXT
LADDER BUS
LADDER OUTPUT
R SUM
2 R SUM
LOGIC SUPPLY

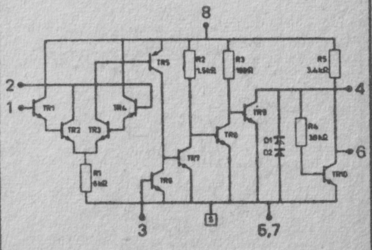
ID4


MSB
LSB
A1
A2
A3
A4
A5
A6
CURRENT SWITCHES
Io
R 2R LADDER
V ref (+)
V ref (–)
REFERENCE CURRENT AMPLIFIER
BIAS CIRCUIT
NPN CURRENT SOURCE PAIR

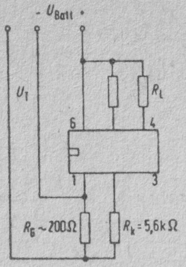
ID5



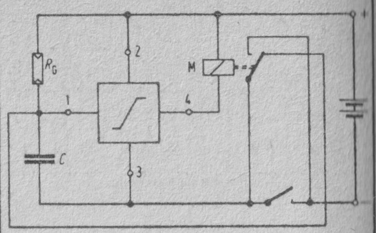
IG1



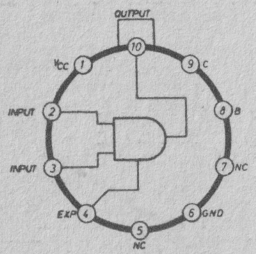
IG2


- U_{Batt} +
U_T
R_L
6
4
1
3
$R_G \sim 200\Omega$
$R_k = 5,6k\Omega$

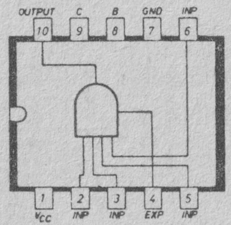
IG3



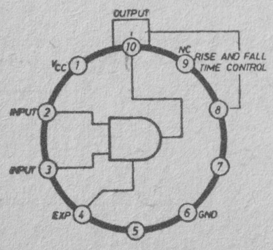
IG4


OUTPUT
10
V_{CC} 1
9 C
INPUT 2
8 B
INPUT 3
7 NC
EXP 4
6 GND
5
NC

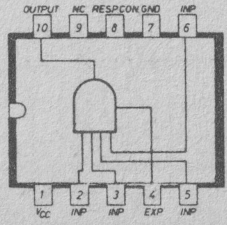
IH1


OUTPUT C B GND INP
10 9 8 7 6
1 2 3 4 5
V_{CC} INP INP EXP INP

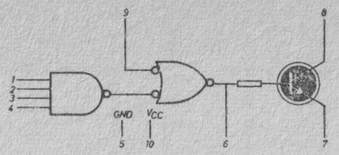
IH2


OUTPUT
10
NC
9 RISE AND FALL TIME CONTROL
V_{CC} 1
INPUT 2
8
INPUT 3
7
EXP 4
6 GND
5

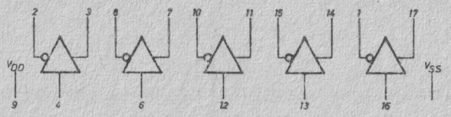
IH3


OUTPUT NC RESP.CON. GND INP
10 9 8 7 6
1 2 3 4 5
V_{CC} INP INP EXP INP

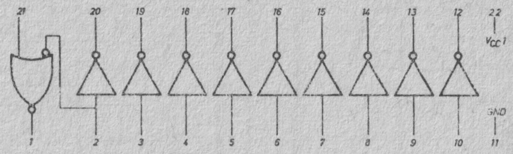
IH4


9
8
1
2
3
4
GND
5
V_{CC}
10
6
7

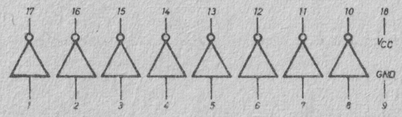
IH5


2 3 8 7 10 11 15 14 1 17
V_{DD}
9
4 6 12 13 16
V_{SS}

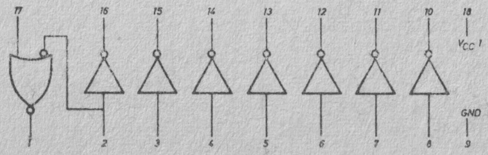
II1


21 20 19 18 17 16 15 14 13 12 22
V_{CC} 1
GND
1 2 3 4 5 6 7 8 9 10 11

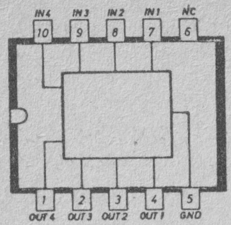
II2


17 16 15 14 13 12 11 10 18
V_{CC}
GND
1 2 3 4 5 6 7 8 9

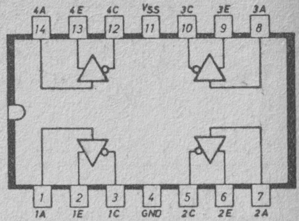
II3


17 16 15 14 13 12 11 10 18
V_{CC} 1
GND
1 2 3 4 5 6 7 8 9

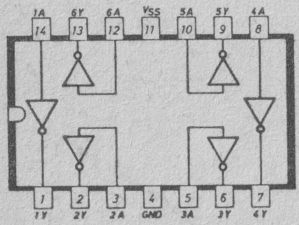
II4


IN4
IN3
IN2
IN1
NC
10
9
8
7
6
1
2
3
4
5
OUT4
OUT3
OUT2
OUT1
GND

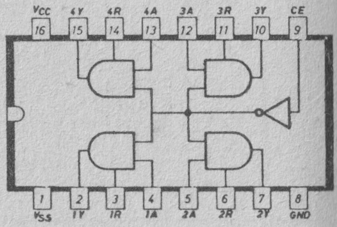
П5


4A
4E
4C
V_{SS}
3C
3E
3A
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1E
1C
GND
2C
2E
2A

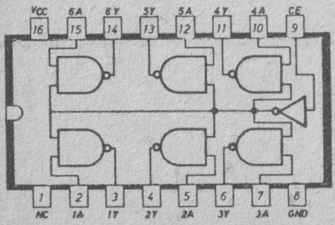
П6


1A
6Y
6A
V_{SS}
5A
5Y
4A
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1Y
2Y
2A
GND
3A
3Y
4Y

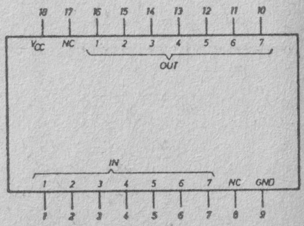
П7


V_{CC}
4Y
4R
4A
3A
3R
3Y
CE
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
V_{SS}
1Y
1R
1A
2A
2R
2Y
GND

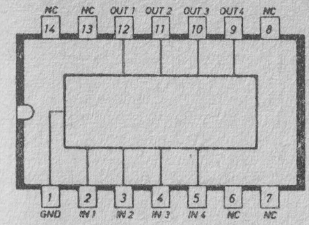
П8


V_{CC}
6A
6Y
5Y
5A
4Y
4A
CE
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
NC
1A
1Y
2Y
2A
3Y
3A
GND

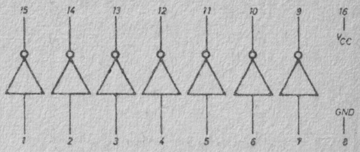
П9


18
17
16
15
14
13
12
11
10
V_{CC}
NC
1
2
3
4
5
6
7
OUT
IN
1
2
3
4
5
6
7
NC
GND
1
2
3
4
5
6
7
8
9

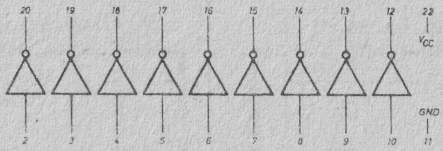
П10


NC
NC
OUT 1
OUT 2
OUT 3
OUT 4
NC
14
13
12
11
10
9
8
1
2
3
4
5
6
7
GND
IN 1
IN 2
IN 3
IN 4
NC
NC

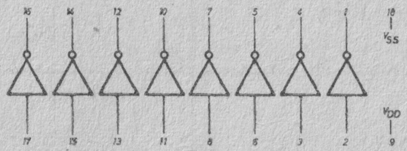
П11


15
14
13
12
11
10
9
16
V_{CC}
GND
8
1
2
3
4
5
6
7

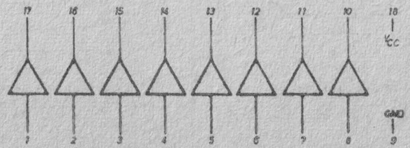
П12


20
19
18
17
16
15
14
13
12
22
V_{CC}
GND
11
2
3
4
5
6
7
8
9
10

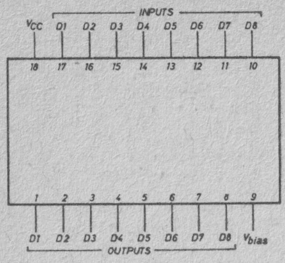
П13


16
14
12
10
7
5
4
1
18
V_{SS}
V_{DD}
9
17
15
13
11
8
6
3
2

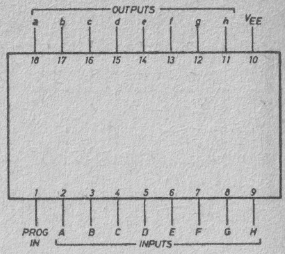
П14


17
16
15
14
13
12
11
10
18
V_{CC}
GND
9
1
2
3
4
5
6
7
8

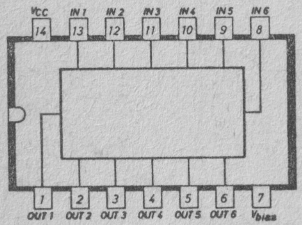
П15


INPUTS
VCC
D1
D2
D3
D4
D5
D6
D7
D8
18
17
16
15
14
13
12
11
10
1
2
3
4
5
6
7
8
9
D1
D2
D3
D4
D5
D6
D7
D8
Vbias
OUTPUTS

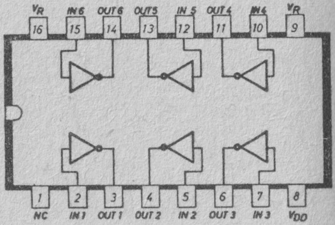
II16


OUTPUTS
a
b
c
d
e
f
g
h
VEE
18
17
16
15
14
13
12
11
10
1
2
3
4
5
6
7
8
9
PROG IN
A
B
C
D
E
F
G
H
INPUTS

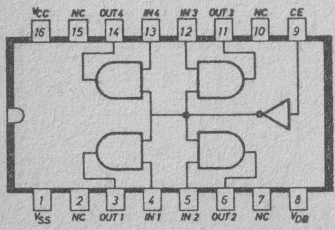
II17


VCC
IN 1
IN 2
IN 3
IN 4
IN 5
IN 6
14
13
12
11
10
9
8
1
2
3
4
5
6
7
OUT 1
OUT 2
OUT 3
OUT 4
OUT 5
OUT 6
Vbias

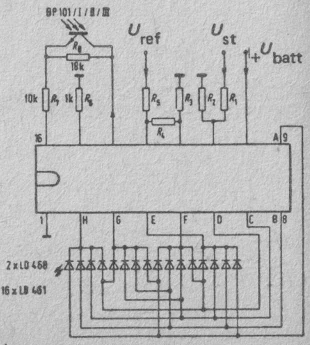
II18


VR
IN 6
OUT 6
OUT 5
IN 5
OUT 4
IN 4
VR
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
NC
IN 1
OUT 1
OUT 2
IN 2
OUT 3
IN 3
VDD

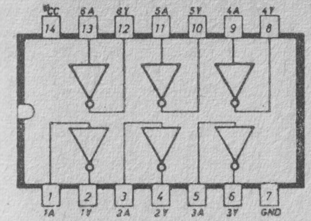
II19


VCC
NC
OUT 4
IN 4
IN 3
OUT 3
NC
CE
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
VSS
NC
OUT 1
IN 1
IN 2
OUT 2
NC
VDD

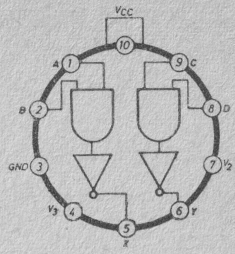
II20


BP 101/I/II/III
R8
18k
Uref
Ust
+Ubatt
10k
R7
1k
R6
R5
R3
R2
R1
R4
16
A
9
1
H
G
E
F
D
C
B
8
2 x LQ 468
16 x LQ 461

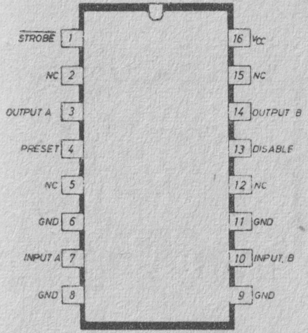
II21


VCC
6A
6Y
5A
5Y
4A
4Y
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1Y
2A
2Y
3A
3Y
GND

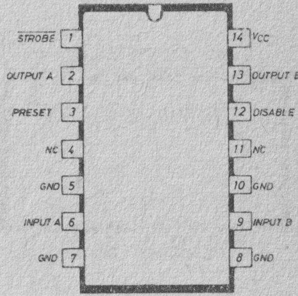
IJ1


VCC
10
A
1
9
C
B
2
8
D
GND
3
7
V2
V3
4
6
Y
5
X

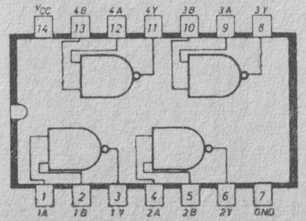
IJ2


STROBE
1
NC
2
OUTPUT A
3
PRESET
4
NC
5
GND
6
INPUT A
7
GND
8
16
VCC
15
NC
14
OUTPUT B
13
DISABLE
12
NC
11
GND
10
INPUT B
9
GND

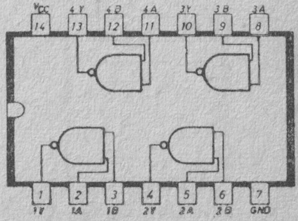
IJ3


STROBE
1
OUTPUT A
2
PRESET
3
NC
4
GND
5
INPUT A
6
GND
7
14
VCC
13
OUTPUT B
12
DISABLE
11
NC
10
GND
9
INPUT B
8
GND

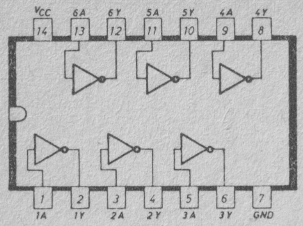
IJ4


VCC
4B
4A
4Y
3B
3A
3Y
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1B
1Y
2A
2B
2Y
GND

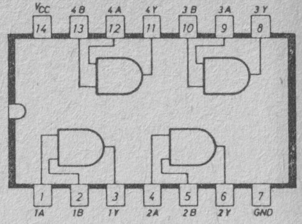
IJ5


VCC
4Y
4B
4A
3Y
3B
3A
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1Y
1A
1B
2Y
2A
2B
GND

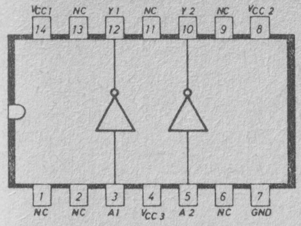
IJ6


VCC
6A
6Y
5A
5Y
4A
4Y
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1Y
2A
2Y
3A
3Y
GND

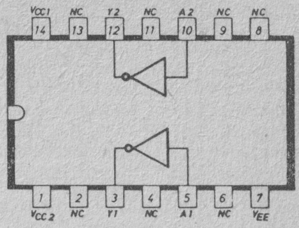
IJ7


VCC
4B
4A
4Y
3B
3A
3Y
14
13
12
11
10
9
8
1
2
3
4
5
6
7
1A
1B
1Y
2A
2B
2Y
GND

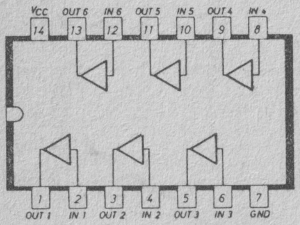
IJ8


VCC1
NC
Y1
NC
Y2
NC
VCC2
14
13
12
11
10
9
8
1
2
3
4
5
6
7
NC
NC
A1
VCC3
A2
NC
GND

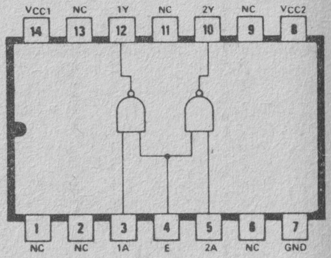
IJ13


VCC1
NC
Y2
NC
A2
NC
NC
14
13
12
11
10
9
8
1
2
3
4
5
6
7
VCC2
NC
Y1
NC
A1
NC
VEE

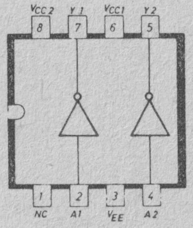
IJ14


VCC
OUT 6
IN 6
OUT 5
IN 5
OUT 4
IN 4
14
13
12
11
10
9
8
1
2
3
4
5
6
7
OUT 1
IN 1
OUT 2
IN 2
OUT 3
IN 3
GND

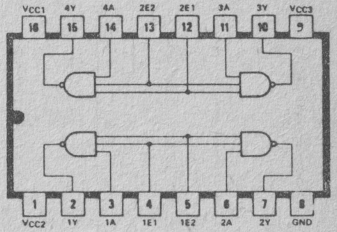
IJ9


VCC1
NC
1Y
NC
2Y
NC
VCC2
14
13
12
11
10
9
8
1
2
3
4
5
6
7
NC
NC
1A
E
2A
NC
GND

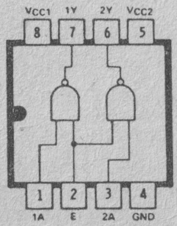
IJ10


VCC2
Y1
VCC1
Y2
8
7
6
5
1
2
3
4
NC
A1
VEE
A2

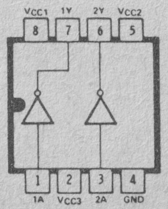
IJ15


VCC1
4Y
4A
2E2
2E1
3A
3Y
VCC3
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
VCC2
1Y
1A
1E1
1E2
2A
2Y
GND

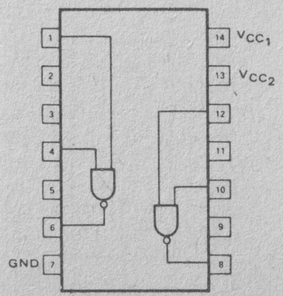
IJ16


VCC1
1Y
2Y
VCC2
8
7
6
5
1
2
3
4
1A
E
2A
GND

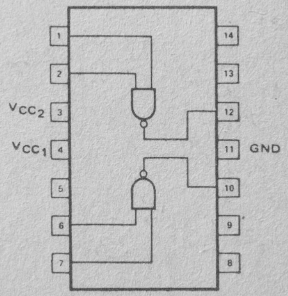
IJ11


VCC1
1Y
2Y
VCC2
8
7
6
5
1
2
3
4
1A
VCC3
2A
GND

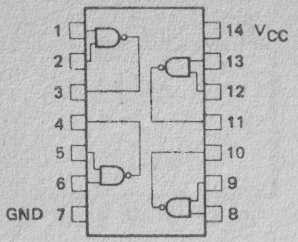
IJ12


1
2
3
4
5
6
GND 7
14 VCC1
13 VCC2
12
11
10
9
8

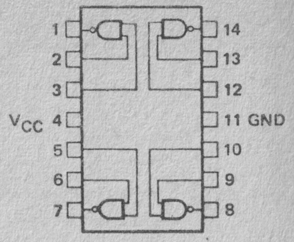
IJ17


1
2
VCC2 3
VCC1 4
5
6
7
14
13
12
11 GND
10
9
8

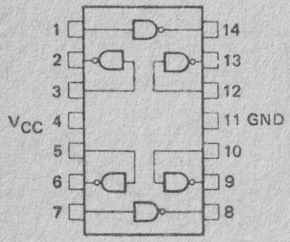
IJ18


1
2
3
4
5
6
GND 7
14 VCC
13
12
11
10
9
8

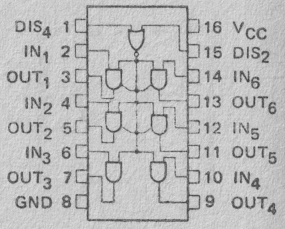
IJ19


1
2
3
VCC 4
5
6
7
14
13
12
11 GND
10
9
8

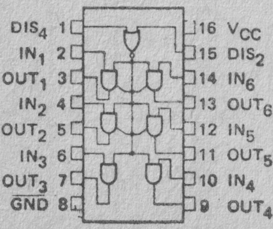
IJ20


1
2
3
VCC 4
5
6
7
14
13
12
11 GND
10
9
8

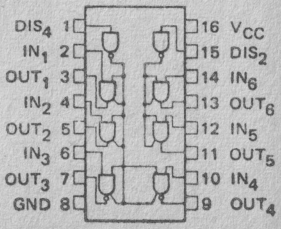
IJ21


DIS4 1
IN1 2
OUT1 3
IN2 4
OUT2 5
IN3 6
OUT3 7
GND 8
16 VCC
15 DIS2
14 IN6
13 OUT6
12 IN5
11 OUT5
10 IN4
9 OUT4

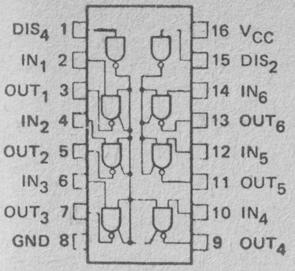
IJ22


DIS4 1
IN1 2
OUT1 3
IN2 4
OUT2 5
IN3 6
OUT3 7
GND 8
16 VCC
15 DIS2
14 IN6
13 OUT6
12 IN5
11 OUT5
10 IN4
9 OUT4

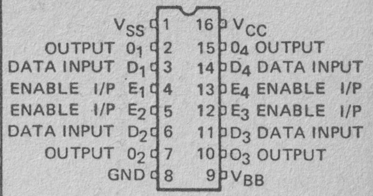
IJ23


DIS4 1
IN1 2
OUT1 3
IN2 4
OUT2 5
IN3 6
OUT3 7
GND 8
16 VCC
15 DIS2
14 IN6
13 OUT6
12 IN5
11 OUT5
10 IN4
9 OUT4

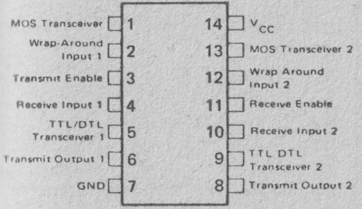
IJ24


DIS4 1
IN1 2
OUT1 3
IN2 4
OUT2 5
IN3 6
OUT3 7
GND 8
16 VCC
15 DIS2
14 IN6
13 OUT6
12 IN5
11 OUT5
10 IN4
9 OUT4

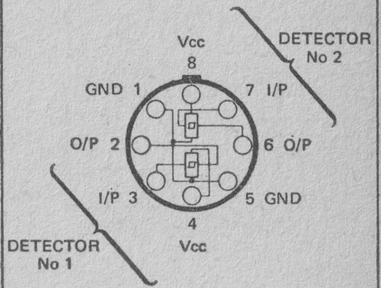
IJ25


VSS 1
OUTPUT 01 2
DATA INPUT D1 3
ENABLE I/P E1 4
ENABLE I/P E2 5
DATA INPUT D2 6
OUTPUT 02 7
GND 8
16 VCC
15 04 OUTPUT
14 D4 DATA INPUT
13 E4 ENABLE I/P
12 E3 ENABLE I/P
11 D3 DATA INPUT
10 03 OUTPUT
9 VBB

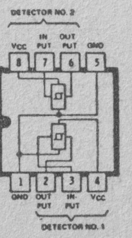
IJ26


MOS Transceiver 1
Wrap-Around Input 1 2
Transmit Enable 3
Receive Input 1 4
TTL/DTL Transceiver 1 5
Transmit Output 1 6
GND 7
14 VCC
13 MOS Transceiver 2
12 Wrap Around Input 2
11 Receive Enable
10 Receive Input 2
9 TTL DTL Transceiver 2
8 Transmit Output 2

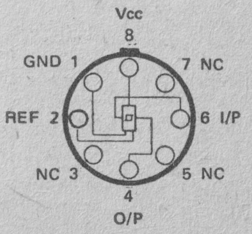
IL1


Vcc
8
DETECTOR No 2
GND 1
7 I/P
O/P 2
6 O/P
I/P 3
5 GND
4
Vcc
DETECTOR No 1

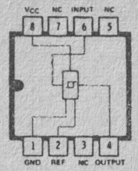
IL2


DETECTOR NO. 2
VCC
IN PUT
OUT PUT
GND
8
7
6
5
1
2
3
4
GND
OUT PUT
IN- PUT
VCC
DETECTOR NO. 1

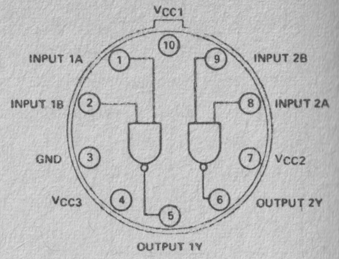
IL3


Vcc
8
GND 1
7 NC
REF 2
6 I/P
NC 3
5 NC
4
O/P

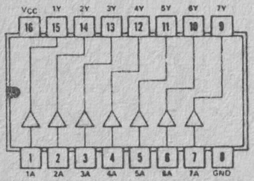
IL4


VCC
NC
INPUT
NC
8
7
6
5
1
2
3
4
GND
REF
NC
OUTPUT

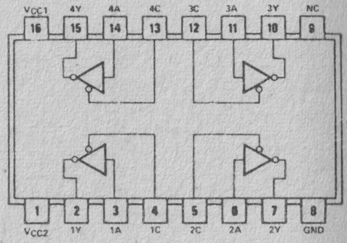
IL5


VCC1
10
INPUT 1A
1
9
INPUT 2B
INPUT 1B
2
8
INPUT 2A
GND
3
7
VCC2
VCC3
4
6
OUTPUT 2Y
5
OUTPUT 1Y

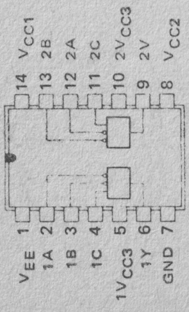
IL6


VCC
1Y
2Y
3Y
4Y
5Y
6Y
7Y
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
1A
2A
3A
4A
5A
6A
7A
GND

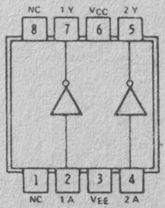
IL7


VCC1
4Y
4A
4C
3C
3A
3Y
NC
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
VCC2
1Y
1A
1C
2C
2A
2Y
GND

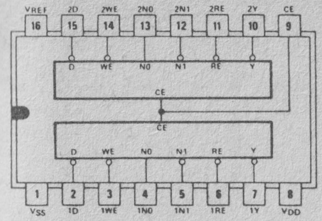
IL8


14 VCC1
13 2B
12 2A
11 2C
10 2VCC3
9 2Y
8 VCC2
1 VEE
2 1A
3 1B
4 1C
5 1VCC3
6 1Y
7 GND

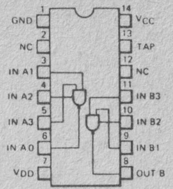
IL9


NC
1Y
VCC
2Y
8
7
6
5
1
2
3
4
NC
1A
VEE
2A

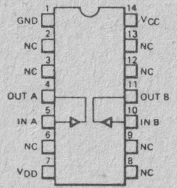
IL10


VREF
2D
2WE
2N0
2N1
2RE
2Y
CE
16
15
14
13
12
11
10
9
D
WE
N0
N1
RE
Y
CE
CE
D
WE
N0
N1
RE
Y
1
2
3
4
5
6
7
8
VSS
1D
1WE
1N0
1N1
1RE
1Y
VDD

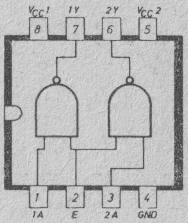
IL11


1
GND
2
NC
3
IN A1
4
IN A2
5
IN A3
6
IN A0
7
VDD
14
VCC
13
TAP
12
NC
11
IN B3
10
IN B2
9
IN B1
8
OUT B

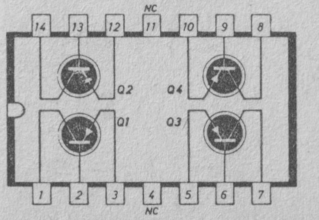
IL12


1
GND
2
NC
3
NC
4
OUT A
5
IN A
6
NC
7
VDD
14
VCC
13
NC
12
NC
11
OUT B
10
IN B
9
NC
8
NC

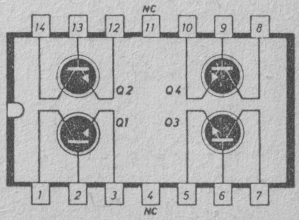
IL13


VCC1
1Y
2Y
VCC2
8
7
6
5
1
2
3
4
1A
E
2A
GND

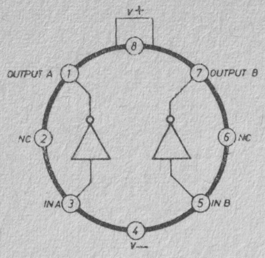
IM1


NC
14
13
12
11
10
9
8
Q2
Q4
Q1
Q3
1
2
3
4
5
6
7
NC

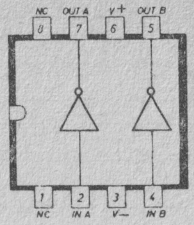
IM2


NC
14
13
12
11
10
9
8
Q2
Q4
Q1
Q3
1
2
3
4
5
6
7
NC

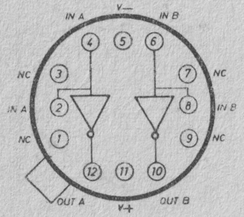
IM3


V+
8
OUTPUT A
1
7
OUTPUT B
NC
2
6
NC
IN A
3
5
IN B
4
V−

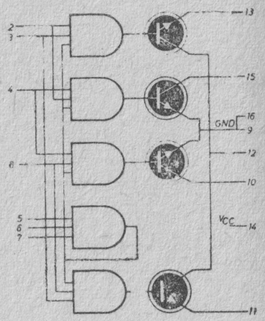
IM4


NC
OUT A
V+
OUT B
8
7
6
5
1
2
3
4
NC
IN A
V−
IN B

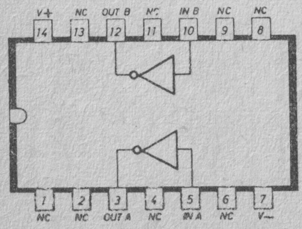
IM5


IN A
V−
IN B
4
5
6
NC
3
7
NC
IN A
2
8
IN B
NC
1
9
NC
12
11
10
OUT A
V+
OUT B

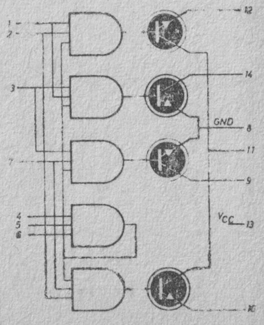
IM6


2
3
13
4
15
GND
16
9
8
12
10
5
6
7
VCC
14
11

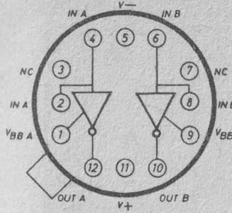
IM7


V+
NC
OUT B
NC
IN B
NC
NC
14
13
12
11
10
9
8
1
2
3
4
5
6
7
NC
NC
OUT A
NC
IN A
NC
V−

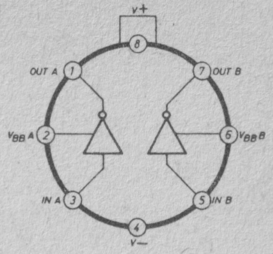
IM8


1
2
12
3
14
GND
8
11
7
9
4
5
6
VCC
13
10

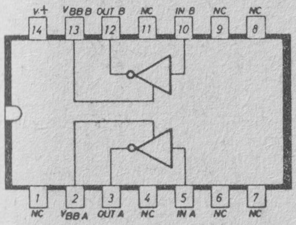
IM9


IN A
V−
IN B
4
5
6
NC
3
7
NC
IN A
2
8
IN B
VBB A
1
9
VBB B
12
11
10
OUT A
V+
OUT B

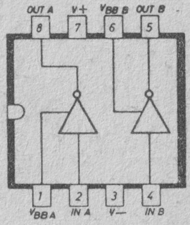
IM10


V+
8
OUT A
1
7
OUT B
VBB A
2
6
VBB B
IN A
3
5
IN B
4
V−

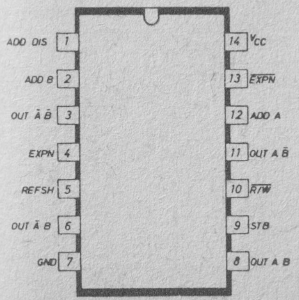
IM11


V+
VBB B
OUT B
NC
IN B
NC
NC
14
13
12
11
10
9
8
1
2
3
4
5
6
7
NC
VBB A
OUT A
NC
IN A
NC
NC

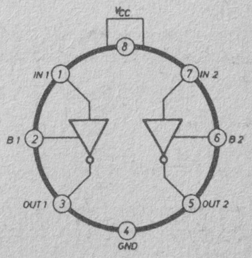
IM12


OUT A
V+
VBB B
OUT B
8
7
6
5
1
2
3
4
VBB A
IN A
V−
IN B

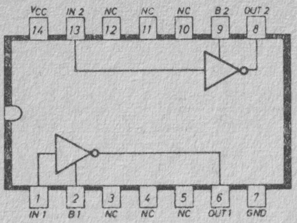
IM13


ADD DIS
1
ADD B
2
OUT Ā B̄
3
EXPN
4
REFSH
5
OUT Ā B
6
GND
7
14
VCC
13
EXPN
12
ADD A
11
OUT A B̄
10
R/W
9
STB
8
OUT A B

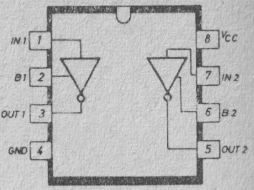
IM14


VCC
8
IN 1
1
7
IN 2
B 1
2
6
B 2
OUT 1
3
5
OUT 2
4
GND

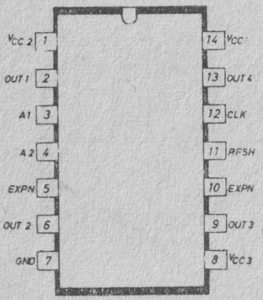
IM15


VCC
IN 2
NC
NC
NC
B 2
OUT 2
14
13
12
11
10
9
8
1
2
3
4
5
6
7
IN 1
B1
NC
NC
NC
OUT1
GND

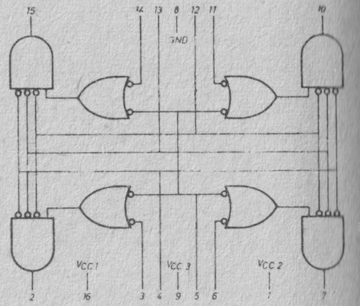
IM16


IN 1
B1
OUT 1
GND
1
2
3
4
8
7
6
5
VCC
IN 2
B 2
OUT 2

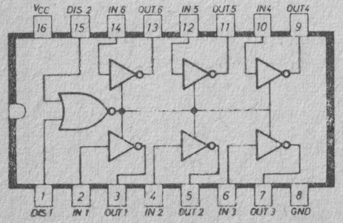
IM17


VCC 2
OUT 1
A1
A 2
EXPN
OUT 2
GND
1
2
3
4
5
6
7
14
13
12
11
10
9
8
VCC
OUT 4
CLK
RFSH
EXPN
OUT 3
VCC 3

IM18

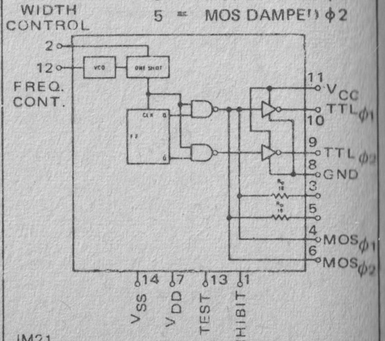

15
14
13
8
12
11
10
GND
VCC 1
VCC 3
VCC 2
2
16
3
4
9
5
6
1
7

IM19

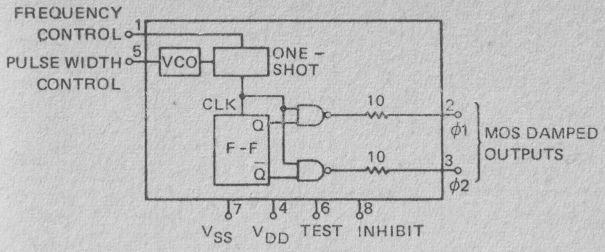

VCC
DIS 2
IN 6
OUT 6
IN 5
OUT 5
IN4
OUT4
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
DIS 1
IN 1
OUT 1
IN 2
OUT 2
IN 3
OUT 3
GND

IM20

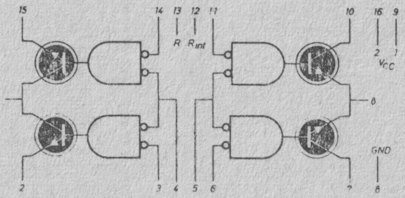
3 = MOS DAMPED φ1
5 = MOS DAMPED φ2


WIDTH
CONTROL
2
12
FREQ.
CONT.
VCO
ONE SHOT
CLK
Q
FF
Q̄
11
VCC
TTLφ1
10
9
TTLφ2
8
GND
3
5
4
MOSφ1
6
MOSφ2
14
7
13
1
VSS
VDD
TEST
INHIBIT

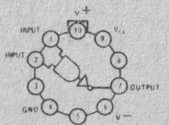
IM21


FREQUENCY
CONTROL
1
5
PULSE WIDTH
CONTROL
VCO
ONE -
SHOT
CLK
Q
F - F
Q̄
10
10
2
φ1
3
φ2
MOS DAMPED
OUTPUTS
7
4
6
8
VSS
VDD
TEST
INHIBIT

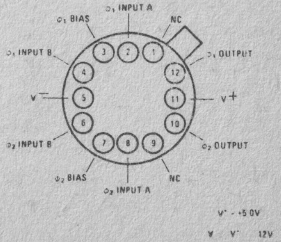
IM22


15
14
13
12
11
10
16
9
R
Rint
2
1
VCC
8
GND
2
3
4
5
6
7
8

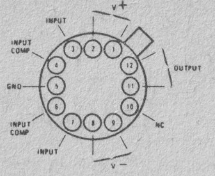
IM23


V+
INPUT
INPUT
VCC
1
2
3
4
5
6
7
8
9
10
OUTPUT
GND
V−

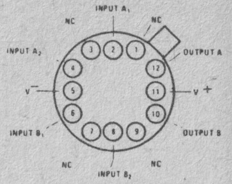
IM24


φ1 INPUT A
φ1 BIAS
NC
φ1 INPUT B
φ1 OUTPUT
V−
V+
φ2 INPUT B
φ2 OUTPUT
φ2 BIAS
NC
φ2 INPUT A
1
2
3
4
5
6
7
8
9
10
11
12
V+ - +5 0V
V V− 12V

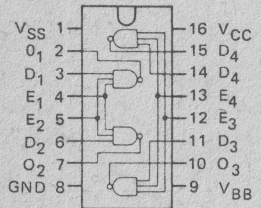
IM25


INPUT
INPUT COMP
GND
INPUT COMP
INPUT
V+
OUTPUT
NC
V−
1
2
3
4
5
6
7
8
9
10
11
12

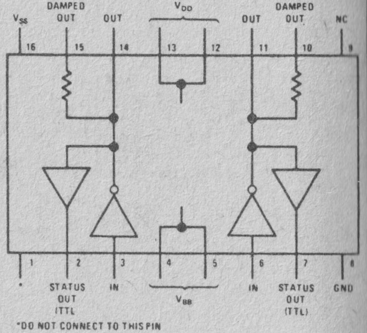
IM26


INPUT A₁
NC
NC
INPUT A₂
OUTPUT A
V−
V+
INPUT B₁
OUTPUT B
NC
NC
INPUT B₂
1
2
3
4
5
6
7
8
9
10
11
12

IM27

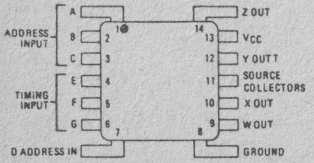

VSS 1
O1 2
D1 3
E1 4
E2 5
D2 6
O2 7
GND 8
16 VCC
15 D4
14 D4
13 E4
12 E3
11 D3
10 O3
9 VBB

IM28

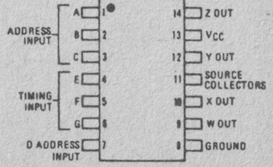

VSS
DAMPED OUT
OUT
VDD
OUT
DAMPED OUT
NC
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
*
STATUS OUT (TTL
IN
VBB
IN
STATUS OUT (TTL)
GND

*DO NOT CONNECT TO THIS PIN

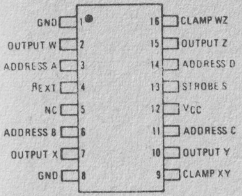
IM29


ADDRESS INPUT
A
B 2
C 3
TIMING INPUT
E 4
F 5
G 6
7
D ADDRESS IN
1
14
Z OUT
13 VCC
12 Y OUT T
11 SOURCE COLLECTORS
10 X OUT
9 W OUT
8
GROUND

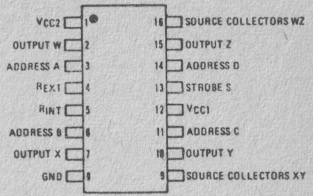
IM30


ADDRESS INPUT
A 1
B 2
C 3
TIMING INPUT
E 4
F 5
G 6
D ADDRESS INPUT 7
14 Z OUT
13 VCC
12 Y OUT
11 SOURCE COLLECTORS
10 X OUT
9 W OUT
8 GROUND

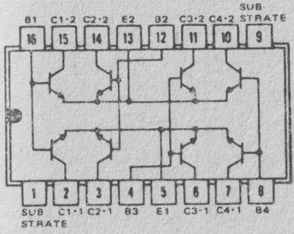
IM31


GND 1
OUTPUT W 2
ADDRESS A 3
REXT 4
NC 5
ADDRESS B 6
OUTPUT X 7
GND 8
16 CLAMP WZ
15 OUTPUT Z
14 ADDRESS D
13 STROBE S
12 VCC
11 ADDRESS C
10 OUTPUT Y
9 CLAMP XY

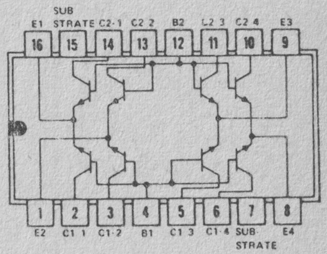
IM32


VCC2 1
OUTPUT W 2
ADDRESS A 3
REXT 4
RINT 5
ADDRESS B 6
OUTPUT X 7
GND 8
16 SOURCE COLLECTORS WZ
15 OUTPUT Z
14 ADDRESS D
13 STROBE S
12 VCC1
11 ADDRESS C
10 OUTPUT Y
9 SOURCE COLLECTORS XY

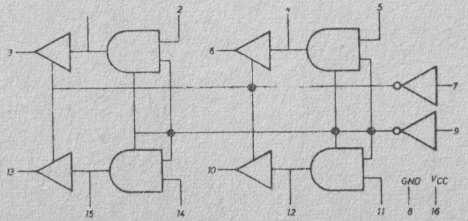
IM33


B1
C1·2
C2·2
E2
B2
C3·2
C4·2
SUB-STRATE
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
SUB STRATE
C1·1
C2·1
B3
E1
C3·1
C4·1
B4

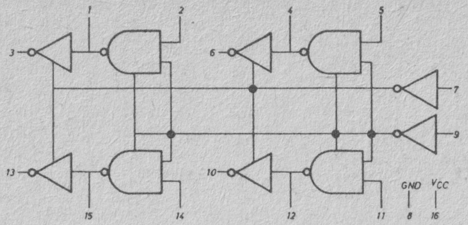
IM34


E1
SUB STRATE
C2·1
C2 2
B2
C2 3
C2 4
E3
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
E2
C1 1
C1·2
B1
C1 3
C1·4
SUB-STRATE
E4

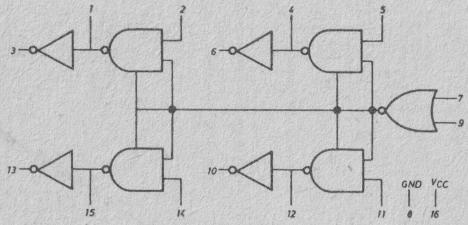
IM35


2
5
3
6
4
7
9
13
10
15
14
12
11
GND
8
VCC
16

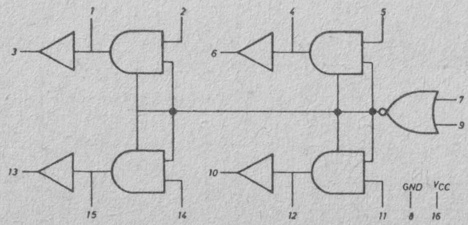
IN1


1
2
4
5
3
6
7
9
13
10
15
14
12
11
GND
V_{CC}
8
16

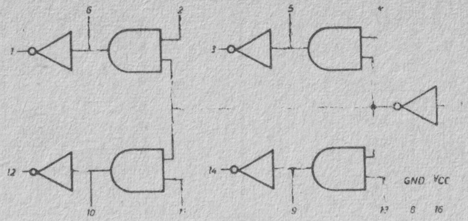
IN2


1
2
4
5
3
6
7
9
13
10
15
14
12
11
GND
V_{CC}
8
16

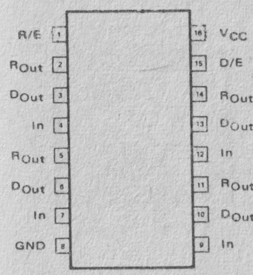
IN3


1
2
4
5
3
6
7
9
13
10
15
14
12
11
GND
V_{CC}
8
16

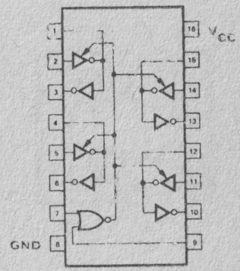
IN4


6
2
5
1
3
12
14
10
9
GND
V_{CC}
13
8
16

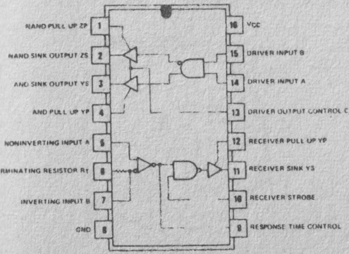
IN5


R/E 1
ROut 2
DOut 3
In 4
ROut 5
DOut 6
In 7
GND 8
16 VCC
15 D/E
14 ROut
13 DOut
12 In
11 ROut
10 DOut
9 In

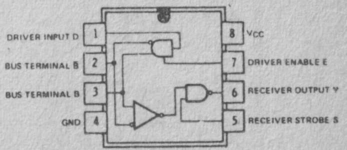
IN6


1
2
3
4
5
6
7
GND 8
16 V_{CC}
15
14
13
12
11
10
9

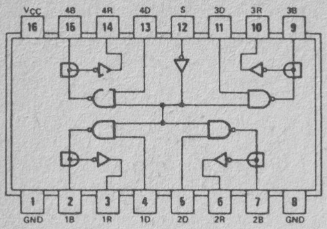
IN7


NAND PULL UP ZP 1
NAND SINK OUTPUT ZS 2
AND SINK OUTPUT YS 3
AND PULL UP YP 4
NONINVERTING INPUT A 5
TERMINATING RESISTOR RT 6
INVERTING INPUT B 7
GND 8
16 VCC
15 DRIVER INPUT B
14 DRIVER INPUT A
13 DRIVER OUTPUT CONTROL C
12 RECEIVER PULL UP YP
11 RECEIVER SINK YS
10 RECEIVER STROBE
9 RESPONSE TIME CONTROL

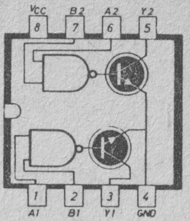
IN8


DRIVER INPUT D 1
BUS TERMINAL B 2
BUS TERMINAL B 3
GND 4
8 VCC
7 DRIVER ENABLE E
6 RECEIVER OUTPUT Y
5 RECEIVER STROBE S

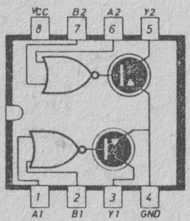
IN9


VCC
4B
4R
4D
S
3D
3R
3B
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
GND
1B
1R
1D
2D
2R
2B
GND

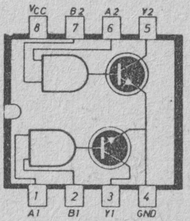
IN10


VCC
B2
A2
Y2
8
7
6
5
1
2
3
4
A1
B1
Y1
GND

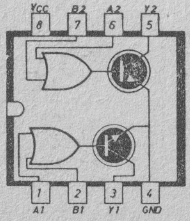
IP1


VCC
B2
A2
Y2
8
7
6
5
1
2
3
4
A1
B1
Y1
GND

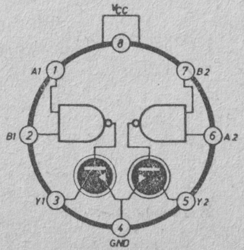
IP2


VCC
B2
A2
Y2
8
7
6
5
1
2
3
4
A1
B1
Y1
GND

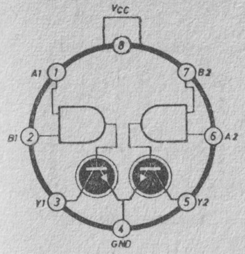
IP3


VCC
B2
A2
Y2
8
7
6
5
1
2
3
4
A1
B1
Y1
GND

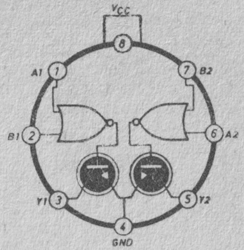
IP4


VCC
8
A1 1
7 B2
B1 2
6 A2
Y1 3
5 Y2
4
GND

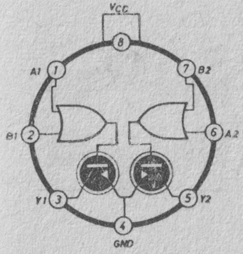
IP5


VCC
8
A1 1
7 B2
B1 2
6 A2
Y1 3
5 Y2
4
GND

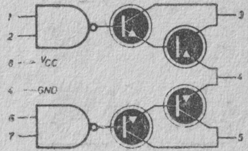
IP6


VCC
8
A1 1
7 B2
B1 2
6 A2
Y1 3
5 Y2
4
GND

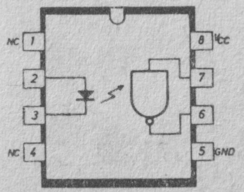
IP7


VCC
8
A1 1
7 B2
B1 2
6 A2
Y1 3
5 Y2
4
GND

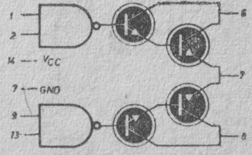
IP8


1
2
8 → VCC
4 — GND
6
7
3
4
5

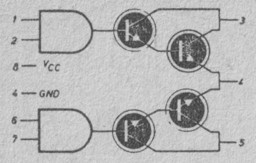
IP9


NC 1
2
3
NC 4
8 VCC
7
6
5 GND

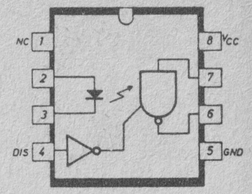
IP10


1
2
14 — VCC
7 — GND
9
13
6
7
8

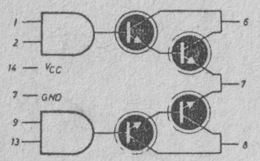
IP11


1
2
8 — VCC
4 — GND
6
7
3
4
5

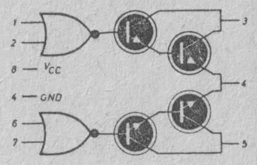
IP12


NC 1
2
3
DIS 4
8 VCC
7
6
5 GND

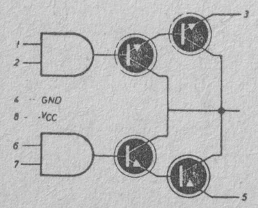
IP13


1
2
14 — VCC
7 — GND
9
13
6
7
8

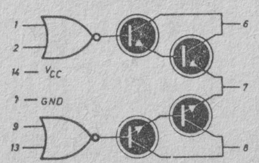
IP14


1
2
8 — VCC
4 — GND
6
7
3
4
5

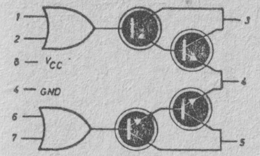
IP15


1
2
4 — GND
8 — VCC
6
7
3
5

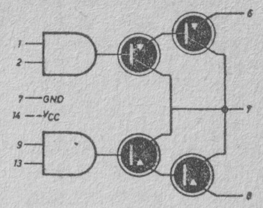
IP16


1
2
14 — VCC
7 — GND
9
13
6
7
8

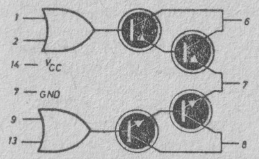
IP17


1
2
8 — VCC
4 — GND
6
7
3
4
5

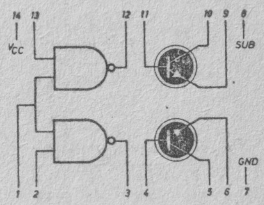
IP18


1
2
7 — GND
14 — VCC
9
13
6
7
8

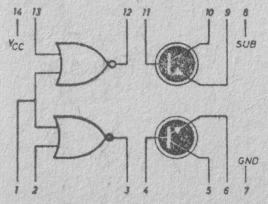
IP19


1
2
14 — VCC
7 — GND
9
13
6
7
8

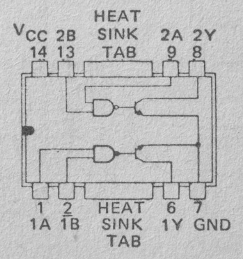
IP20


14 13 12 11 10 9 8
VCC
SUB
GND
1 2 3 4 5 6 7

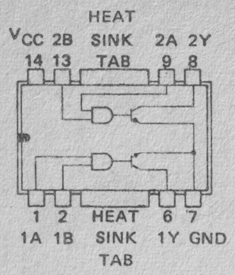
IP21


14 13 12 11 10 9 8
VCC
SUB
GND
1 2 3 4 5 6 7

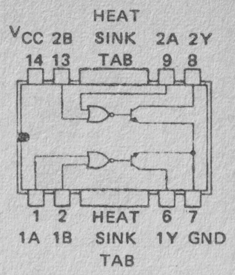
IP22


VCC 2B HEAT SINK TAB 2A 2Y
14 13 9 8
1 2 HEAT SINK TAB 6 7
1A 1B 1Y GND

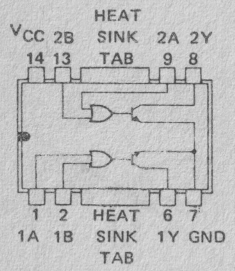
IP23


HEAT SINK TAB
VCC 2B
14 13
2A 2Y
9 8
1 2
1A 1B
HEAT SINK TAB
6 7
1Y GND

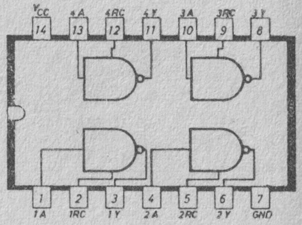
IP24


HEAT SINK TAB
VCC 2B
14 13
2A 2Y
9 8
1 2
1A 1B
HEAT SINK TAB
6 7
1Y GND

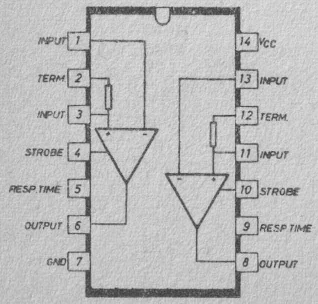
IP25


HEAT SINK TAB
VCC 2B
14 13
2A 2Y
9 8
1 2
1A 1B
HEAT SINK TAB
6 7
1Y GND

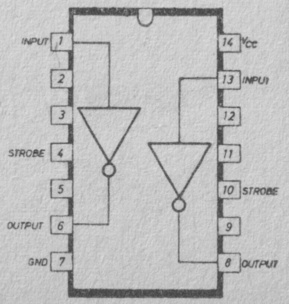
IP26


VCC 14
4A 13
4RC 12
4Y 11
3A 10
3RC 9
3Y 8
1 1A
2 1RC
3 1Y
4 2A
5 2RC
6 2Y
7 GND

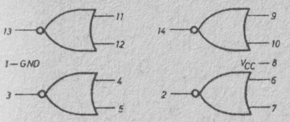
IR1


INPUT 1
TERM. 2
INPUT 3
STROBE 4
RESP. TIME 5
OUTPUT 6
GND 7
14 VCC
13 INPUT
12 TERM.
11 INPUT
10 STROBE
9 RESP. TIME
8 OUTPUT

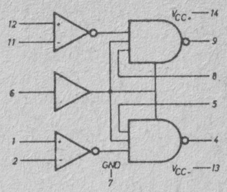
IR2


INPUT 1
2
3
STROBE 4
5
OUTPUT 6
GND 7
14 VCC
13 INPUT
12
11
10 STROBE
9
8 OUTPUT

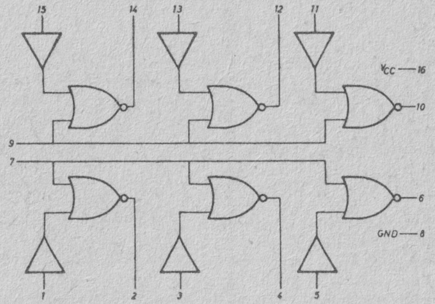
IR3


13
11
12
1—GND
3
4
5
14
9
10
VCC — 8
2
6
7

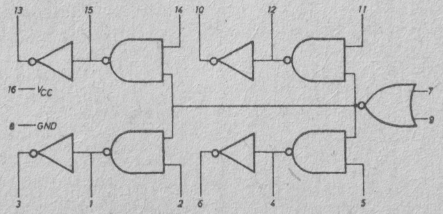
IR4


12
11
6
1
2
VCC+ — 14
9
8
5
4
GND
7
VCC- — 13

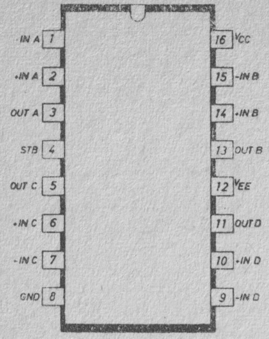
IR7


15
14
13
12
11
VCC — 16
10
9
7
6
GND — 8
1
2
3
4
5

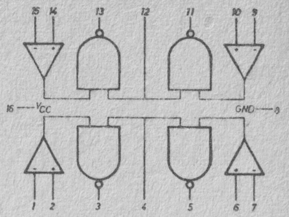
IR5


13
15
14
10
12
11
16 — VCC
8 — GND
7
9
3
1
2
6
4
5

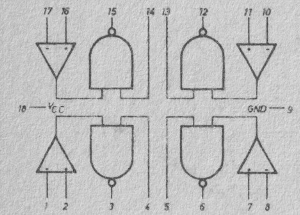
IR6


-IN A 1
+IN A 2
OUT A 3
STB 4
OUT C 5
+IN C 6
-IN C 7
GND 8
16 V_{CC}
15 -IN B
14 +IN B
13 OUT B
12 V_{EE}
11 OUT D
10 +IN D
9 -IN D

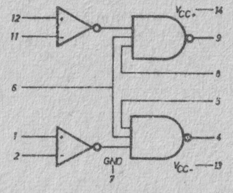
IR8


15
14
13
12
11
10
9
16 — V_{CC}
GND — 8
1
2
3
4
5
6
7

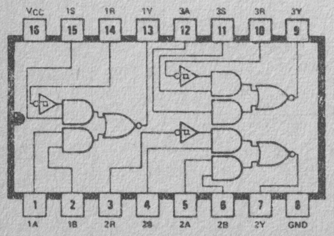
IR9


17
16
15
14
13
12
11
10
18 — V_{CC}
GND — 9
1
2
3
4
5
6
7
8

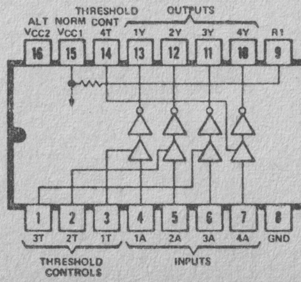
IR10


12
11
V_{CC+} — 14
9
8
6
5
1
2
4
GND
7
V_{CC-} — 13

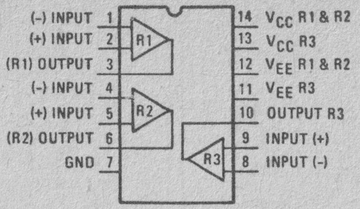
IR11


V_{CC}
1S
1R
1Y
3A
3S
3R
3Y
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
1A
1B
2R
2S
2A
2B
2Y
GND

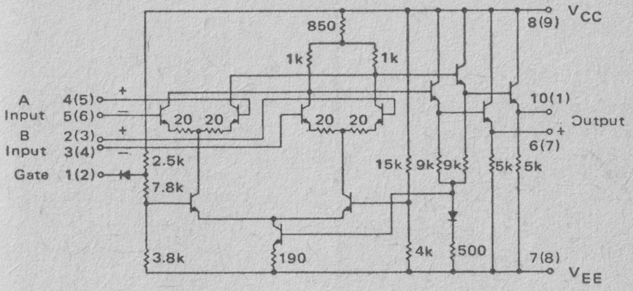
IR12


THRESHOLD
OUTPUTS
ALT
NORM
CONT
V_{CC2}
V_{CC1}
4T
1Y
2Y
3Y
4Y
R1
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
3T
2T
1T
1A
2A
3A
4A
GND
THRESHOLD CONTROLS
INPUTS

IR13

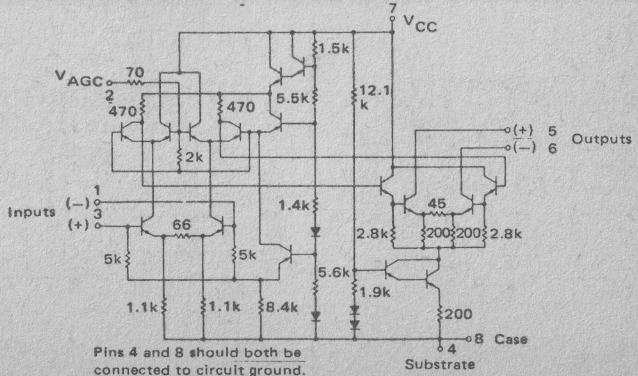

(-) INPUT 1
(+) INPUT 2
(R1) OUTPUT 3
(-) INPUT 4
(+) INPUT 5
(R2) OUTPUT 6
GND 7
R1
R2
R3
14 V_{CC} R1 & R2
13 V_{CC} R3
12 V_{EE} R1 & R2
11 V_{EE} R3
10 OUTPUT R3
9 INPUT (+)
8 INPUT (-)

IR14


850
1k
1k
V_{CC}
8(9)
A Input
4(5)
5(6)
+
–
B Input
2(3)
3(4)
+
–
Gate 1(2)
20
20
20
20
2.5k
7.8k
15k
9k
9k
5k
5k
10(1)
Output
+
6(7)
3.8k
190
4k
500
7(8)
V_{EE}

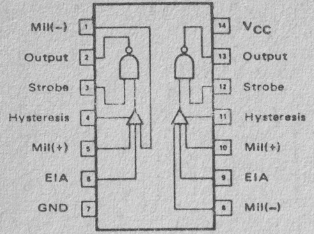
Number in parenthesis denotes pin for F and L packages, number at left in each case denotes corresponding pin for G package.

IR15

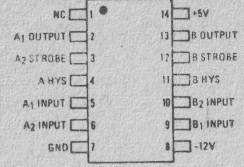

7
V_{CC}
V_{AGC}
2
70
470
470
1.5k
5.5k
12.1 k
2k
(+) 5
(–) 6
Outputs
Inputs
1
(–)
3
(+)
66
1.4k
45
2.8k
200
200
2.8k
5k
5k
5.6k
1.9k
1.1k
1.1k
8.4k
200
8 Case
4
Substrate

Pins 4 and 8 should both be connected to circuit ground.

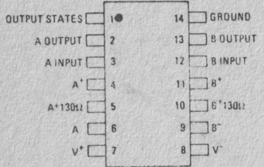
IR16


Mil(–) 1
Output 2
Strobe 3
Hysteresis 4
Mil(+) 5
EIA 6
GND 7
14 V_{CC}
13 Output
12 Strobe
11 Hysteresis
10 Mil(+)
9 EIA
8 Mil(–)

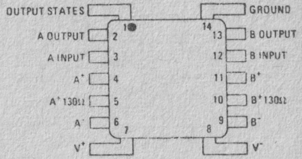
IR17


NC 1
A_1 OUTPUT 2
A_2 STROBE 3
A HYS 4
A_1 INPUT 5
A_2 INPUT 6
GND 7
14 +5V
13 B OUTPUT
12 B STROBE
11 B HYS
10 B_2 INPUT
9 B_1 INPUT
8 -12V

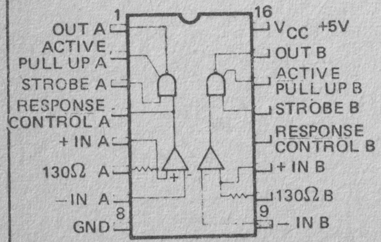
IR18


OUTPUT STATES 1
A OUTPUT 2
A INPUT 3
A^+ 4
A^+130Ω 5
A 6
V^+ 7
14 GROUND
13 B OUTPUT
12 B INPUT
11 B^+
10 B^+130Ω
9 B^-
8 V^-

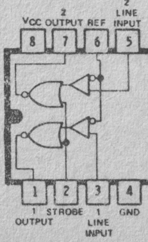
IR19


OUTPUT STATES 1
A OUTPUT 2
A INPUT 3
A^+ 4
A^+130Ω 5
A^- 6
V^+ 7
14 GROUND
13 B OUTPUT
12 B INPUT
11 B^+
10 B^+130Ω
9 B^-
8 V^-

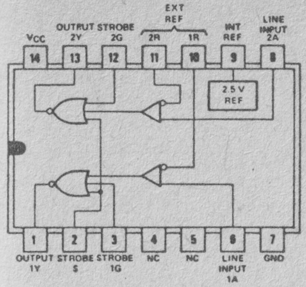
IR20


1
OUT A
ACTIVE PULL UP A
STROBE A
RESPONSE CONTROL A
+ IN A
130Ω A
– IN A
8
GND
16
V_{CC} +5V
OUT B
ACTIVE PULL UP B
STROBE B
RESPONSE CONTROL B
+ IN B
130Ω B
9
– IN B
+
–

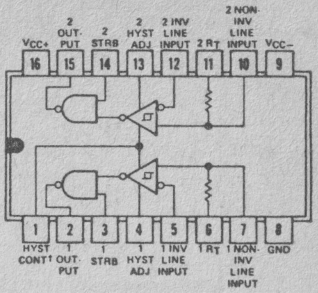
IR21


V_{CC} 8
2 OUTPUT 7
REF 6
2 LINE INPUT 5
1 1 OUTPUT
2 STROBE
3 1 LINE INPUT
4 GND

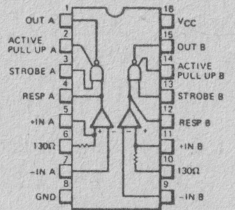
IR22


V_{CC} 14
OUTPUT 2Y 13
STROBE 2G 12
EXT REF
2R 11
1R 10
INT REF 9
LINE INPUT 2A 8
2.5 V REF
1 OUTPUT 1Y
2 STROBE S
3 STROBE 1G
4 NC
5 NC
6 LINE INPUT 1A
7 GND

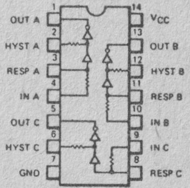
IR23


V_{CC+} 16
2 OUT-PUT 15
2 STRB 14
2 HYST ADJ 13
2 INV LINE INPUT 12
2 R_T 11
2 NON-INV LINE INPUT 10
V_{CC-} 9
1 HYST CONT†
2 1 OUT-PUT
3 1 STRB
4 1 HYST ADJ
5 1 INV LINE INPUT
6 1 R_T
7 1 NON-INV LINE INPUT
8 GND

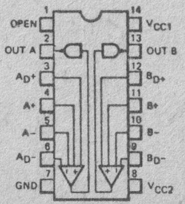
IR24


1 OUT A
2 ACTIVE PULL UP A
3 STROBE A
4 RESP A
5 +IN A
6 130Ω
7 –IN A
8 GND
16 V_{CC}
15 OUT B
14 ACTIVE PULL UP B
13 STROBE B
12 RESP B
11 +IN B
10 130Ω
9 –IN B
+
–

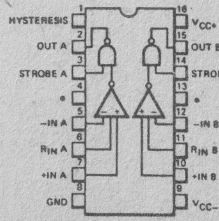
IR25


1 OUT A
2 HYST A
3 RESP A
4 IN A
5 OUT C
6 HYST C
7 GND
14 V_{CC}
13 OUT B
12 HYST B
11 RESP B
10 IN B
9 IN C
8 RESP C

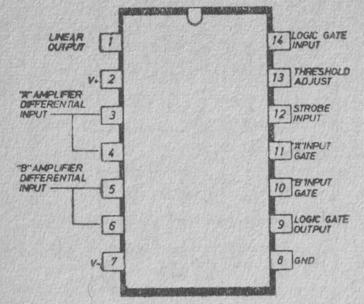
IR26


1 OPEN
2 OUT A
3 A_D+
4 A+
5 A–
6 A_D–
7 GND
14 V_{CC1}
13 OUT B
12 B_D+
11 B+
10 B–
9 B_D–
8 V_{CC2}

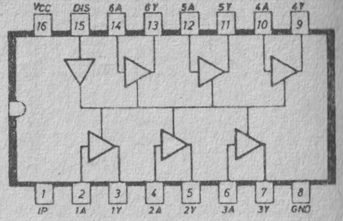
IR27


1 HYSTERESIS
2 OUT A
3 STROBE A
4 *
5 –IN A
6 R_{IN} A
7 +IN A
8 GND
16 V_{CC+}
15 OUT B
14 STROBE B
13 *
12 –IN B
11 R_{IN} B
10 +IN B
9 V_{CC-}
–
+

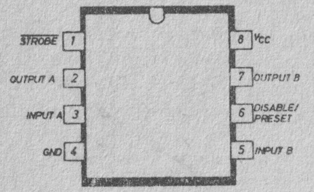
IR28


LINEAR OUTPUT 1
V+ 2
"A" AMPLIFIER DIFFERENTIAL INPUT 3
4
"B" AMPLIFIER DIFFERENTIAL INPUT 5
6
V- 7
14 LOGIC GATE INPUT
13 THRESHOLD ADJUST
12 STROBE INPUT
11 "A" INPUT GATE
10 "B" INPUT GATE
9 LOGIC GATE OUTPUT
8 GND

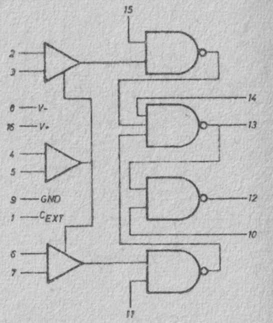
IS1


VCC 16
DIS 15
6A 14
6Y 13
5A 12
5Y 11
4A 10
4Y 9
1 IP
2 1A
3 1Y
4 2A
5 2Y
6 3A
7 3Y
8 GND

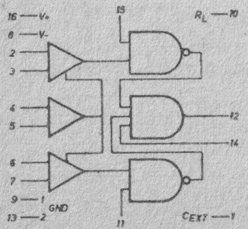
IS2


STROBE 1
OUTPUT A 2
INPUT A 3
GND 4
8 VCC
7 OUTPUT B
6 DISABLE/PRESET
5 INPUT B

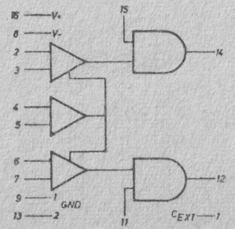
IS3


15
2
3
8 V-
16 V+
4
5
9 GND
1 CEXT
6
7
14
13
12
10
11

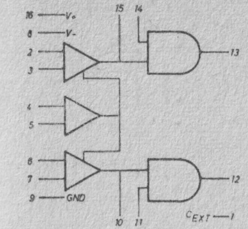
IS4


16 V+
8 V-
2
3
4
5
6
7
9 1
13 2
GND
15
RL 10
12
14
11
CEXT 1

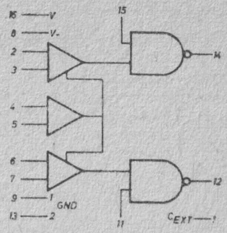
IS5


16 V+
8 V-
2
3
4
5
6
7
9 1
13 2
GND
15
14
12
11
CEXT 1

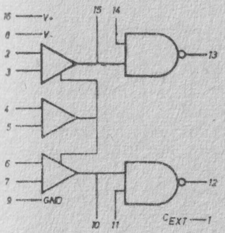
IS6


16 V+
8 V-
2
3
4
5
6
7
9 GND
15
14
13
12
10
11
CEXT 1

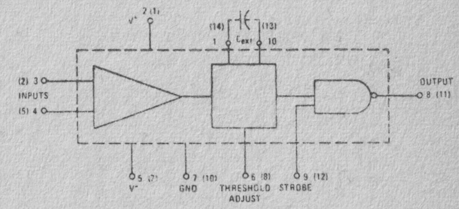
IS7


16 V
8 V-
2
3
4
5
6
7
9 1
13 2
GND
15
14
12
11
CEXT 1

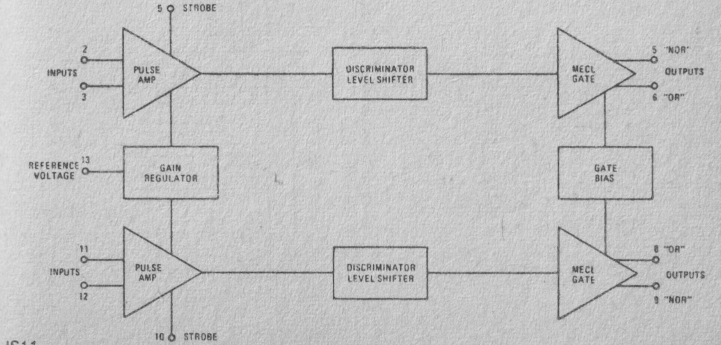
IS8


16 V+
8 V-
2
3
4
5
6
7
9 GND
15
14
13
12
10
11
CEXT 1

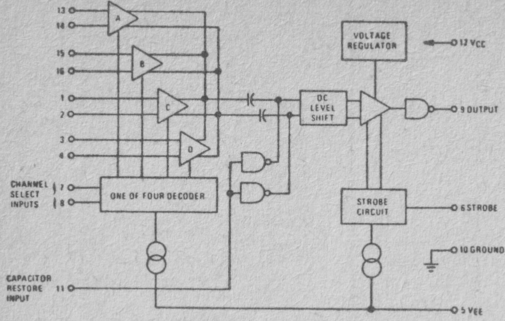
IS9


V+ 2 (1)
(14) 1
Cext
(13) 10
(2) 3
INPUTS
(5) 4
OUTPUT
8 (11)
5 (7) V-
7 (10) GND
6 (8) THRESHOLD ADJUST
9 (12) STROBE

IS10

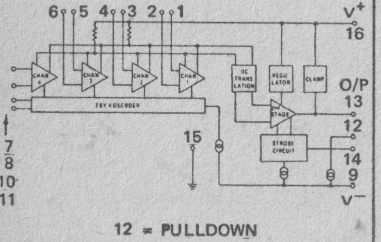

5 STROBE
INPUTS
2
3
PULSE AMP
DISCRIMINATOR LEVEL SHIFTER
MECL GATE
5 "NOR"
OUTPUTS
6 "OR"
REFERENCE VOLTAGE 13
GAIN REGULATOR
GATE BIAS
INPUTS
11
12
PULSE AMP
DISCRIMINATOR LEVEL SHIFTER
MECL GATE
8 "OR"
OUTPUTS
9 "NOR"
10 STROBE

IS11

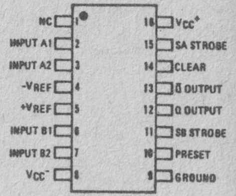

13
14
15
16
1
2
3
4
A
B
C
D
CHANNEL SELECT INPUTS
7
8
ONE OF FOUR DECODER
CAPACITOR RESTORE INPUT
11
VOLTAGE REGULATOR
12 VCC
DC LEVEL SHIFT
9 OUTPUT
STROBE CIRCUIT
6 STROBE
10 GROUND
5 VEE

TRUTH TABLE		
PIN 7	PIN 8	CHANNEL SELECTED
HI	HI	A
LO	HI	B
HI	LO	C
LO	LO	D

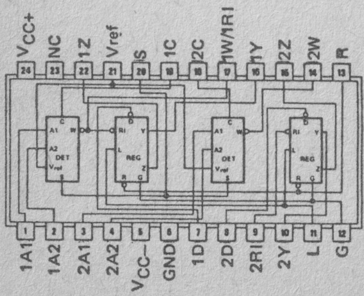
IS12


6
5
4
3
2
1
V+
16
CHAN 4
CHAN 3
CHAN 2
CHAN 1
DC TRANSLATION
REGULATOR
CLAMP
2 BY 4 DECODER
2nd STAGE
STROBE CIRCUIT
O/P
13
12
14
9
V−
15
7
8
10
11
12 = PULLDOWN

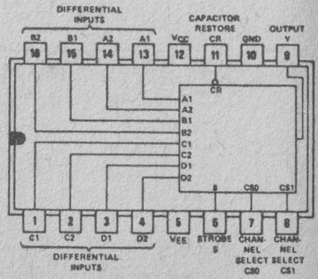
IS13


NC 1
INPUT A1 2
INPUT A2 3
-VREF 4
+VREF 5
INPUT B1 6
INPUT B2 7
VCC− 8
16 VCC+
15 SA STROBE
14 CLEAR
13 Q̄ OUTPUT
12 Q OUTPUT
11 SB STROBE
10 PRESET
9 GROUND

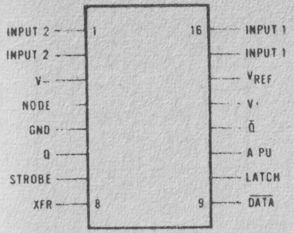
IS14


VCC+ 24
NC 23
1Z 22
Vref 21
S 20
1C 19
2C 18
1W/1RI 17
1Y 16
2Z 15
2W 14
R 13
1A1 1
1A2 2
2A1 3
2A2 4
VCC− 5
GND 6
1D 7
2D 8
2RI 9
2Y 10
L 11
G 12
DET
REG
A1
A2
Vref
C
W
S
RI
D
Y
L
Z
R
G

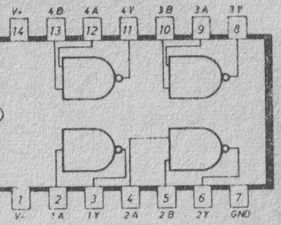
IS15


DIFFERENTIAL INPUTS
B2 16
B1 15
A2 14
A1 13
VCC 12
CAPACITOR RESTORE CR 11
GND 10
OUTPUT Y 9
CR
A1
A2
B1
B2
C1
C2
D1
D2
S
CS0
CS1
1 C1
2 C2
3 D1
4 D2
5 VEE
6 STROBE S
7 CHANNEL SELECT CS0
8 CHANNEL SELECT CS1
DIFFERENTIAL INPUTS

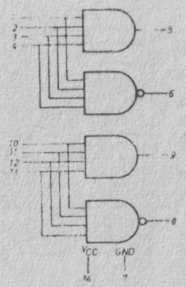
IS16


INPUT 2 1
INPUT 2
V−
NODE
GND
Q
STROBE
XFR 8
16 INPUT 1
INPUT 1
VREF
V+
Q̄
A PU
LATCH
9 DATA

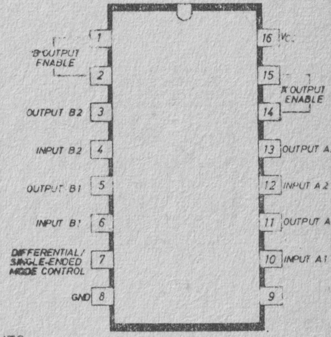
IS17


V+ 14
4B 13
4A 12
4Y 11
3B 10
3A 9
3Y 8
1 V−
2 1A
3 1Y
4 2A
5 2B
6 2Y
7 GND

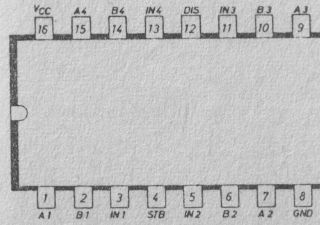
IT1


1
2
3
4
5
6
10
11
12
13
9
8
VCC
GND
14
7

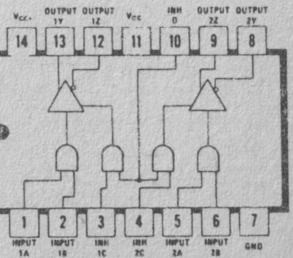
IT2


1
B OUTPUT ENABLE
2
OUTPUT B2 3
INPUT B2 4
OUTPUT B1 5
INPUT B1 6
DIFFERENTIAL/SINGLE-ENDED MODE CONTROL 7
GND 8
16 VCC
15
A OUTPUT ENABLE
14
13 OUTPUT A2
12 INPUT A2
11 OUTPUT A1
10 INPUT A1
9

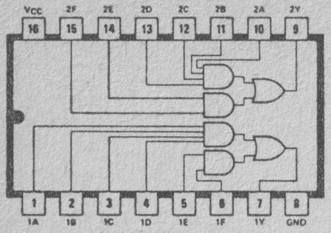
IT3


VCC 16
A4 15
B4 14
IN4 13
DIS 12
IN3 11
B3 10
A3 9
1 A1
2 B1
3 IN1
4 STB
5 IN2
6 B2
7 A2
8 GND

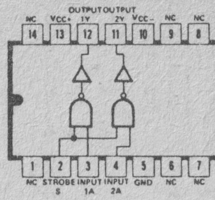
IT4


VCC+ 14
OUTPUT 1Y 13
OUTPUT 1Z 12
VCC 11
INH D 10
OUTPUT 2Z 9
OUTPUT 2Y 8
1 INPUT 1A
2 INPUT 1B
3 INH 1C
4 INH 2C
5 INPUT 2A
6 INPUT 2B
7 GND

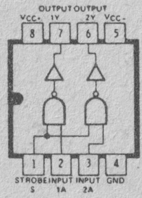
IT5


VCC
2F
2E
2D
2C
2B
2A
2Y
16
15
14
13
12
11
10
9
1
2
3
4
5
6
7
8
1A
1B
1C
1D
1E
1F
1Y
GND

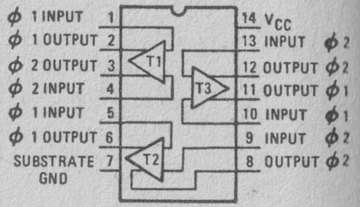
IT6


OUTPUT OUTPUT
NC
VCC+
1Y
2Y
VCC-
NC
NC
14
13
12
11
10
9
8
1
2
3
4
5
6
7
NC
STROBE S
INPUT 1A
INPUT 2A
GND
NC
NC

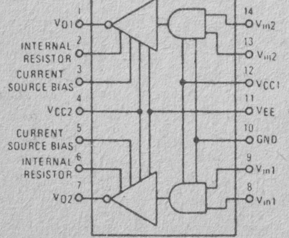
IT7


OUTPUT OUTPUT
VCC+
1Y
2Y
VCC-
8
7
6
5
1
2
3
4
STROBE S
INPUT 1A
INPUT 2A
GND

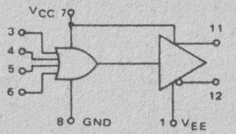
IT8


φ 1 INPUT 1
φ 1 OUTPUT 2
φ 2 OUTPUT 3
φ 2 INPUT 4
φ 1 INPUT 5
φ 1 OUTPUT 6
SUBSTRATE GND 7
14 VCC
13 INPUT φ 2
12 OUTPUT φ 2
11 OUTPUT φ 1
10 INPUT φ 1
9 INPUT φ 2
8 OUTPUT φ 2
T1
T2
T3

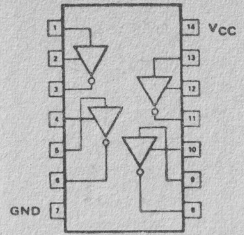
IT9


1 VO1
2 INTERNAL RESISTOR
3 CURRENT SOURCE BIAS
4 VCC2
5 CURRENT SOURCE BIAS
6 INTERNAL RESISTOR
7 VO2
14 Vin2
13 Vin2
12 VCC1
11 VEE
10 GND
9 Vin1
8 Vin1

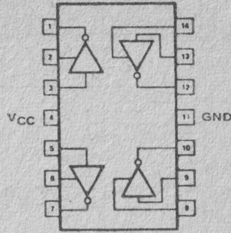
IT10


VCC 7
3
4
5
6
8 GND
1 VEE
11
12

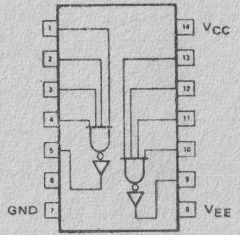
IT11


1
2
3
4
5
6
7
GND
14 VCC
13
12
11
10
9
8

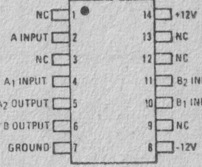
IT12


1
2
3
4 VCC
5
6
7
14
13
12
11 GND
10
9
8

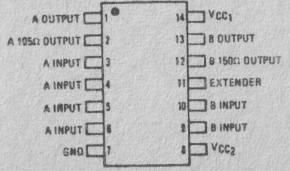
IT13


1
2
3
4
5
6
7 GND
14 VCC
13
12
11
10
9
8 VEE

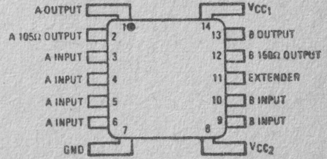
IT14


NC 1
A INPUT 2
NC 3
A1 INPUT 4
A2 OUTPUT 5
B OUTPUT 6
GROUND 7
14 +12V
13 NC
12 NC
11 B2 INPUT
10 B1 INPUT
9 NC
8 -12V

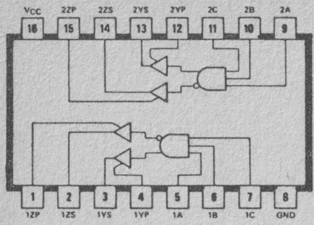
IT15


A OUTPUT 1
A 105Ω OUTPUT 2
A INPUT 3
A INPUT 4
A INPUT 5
A INPUT 6
GND 7
14 VCC1
13 B OUTPUT
12 B 150Ω OUTPUT
11 EXTENDER
10 B INPUT
9 B INPUT
8 VCC2

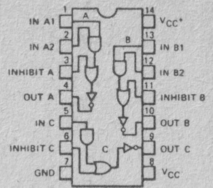
IT16


A OUTPUT 1
A 105Ω OUTPUT 2
A INPUT 3
A INPUT 4
A INPUT 5
A INPUT 6
GND 7
14 VCC1
13 B OUTPUT
12 B 150Ω OUTPUT
11 EXTENDER
10 B INPUT
9 B INPUT
8 VCC2

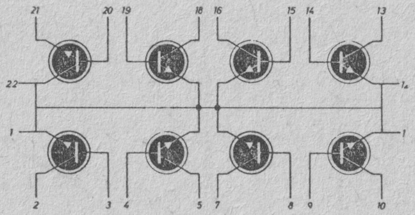
IT17


VCC 2ZP 2ZS 2YS 2YP 2C 2B 2A
16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
1ZP 1ZS 1YS 1YP 1A 1B 1C GND

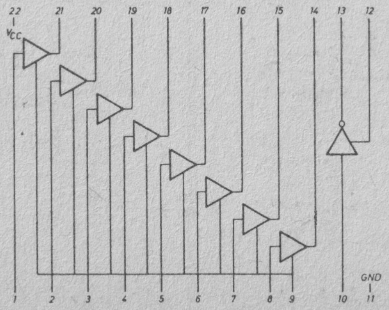
IT18


IN A1
IN A2
INHIBIT A
OUT A
IN C
INHIBIT C
GND
VCC+
IN B1
IN B2
INHIBIT B
OUT B
OUT C
VCC
A
B
C

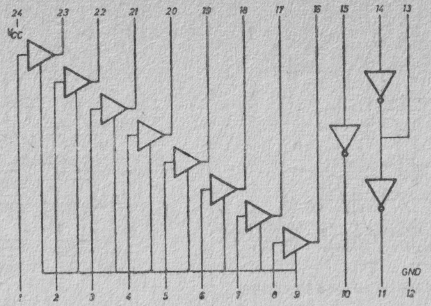
IT19


21 20 19 18 16 15 14 13
22 14
1 1
2 3 4 5 7 8 9 10

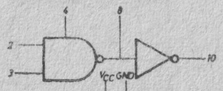
IV1


22 21 20 19 18 17 16 15 14 13 12
VCC
GND
1 2 3 4 5 6 7 8 9 10 11

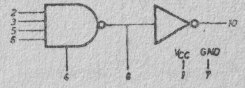
IV2


24 23 22 21 20 19 18 17 16 15 14 13
VCC
GND
1 2 3 4 5 6 7 8 9 10 11 12

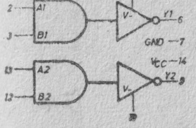
IV3


4 8
2
3
VCC GND
1 6
10

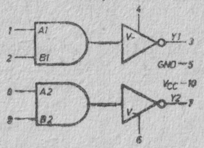
IX1


2 3 4 5
10
VCC GND
1 7
4 8

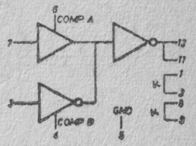
IX2


2 A1
3 B1
13 A2
12 B2
5
V-
Y1 6
GND 7
VCC 14
Y2 9
10

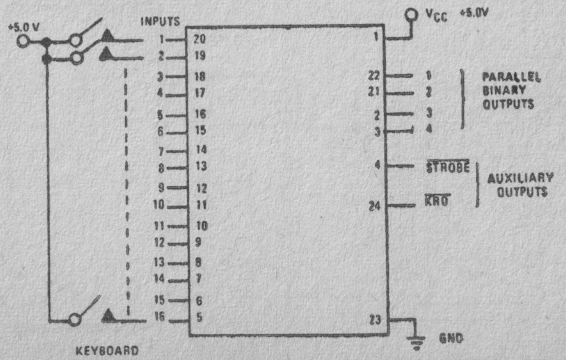
IX3


1 A1
2 B1
8 A2
9 B2
4
V-
Y1 3
GND 5
VCC 10
Y2 7
6

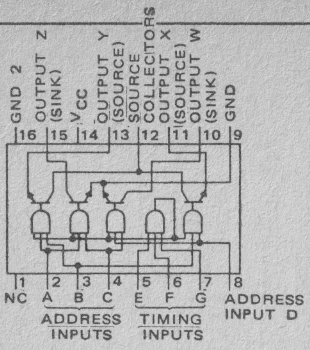
IX4


6 COMP A
7
3
COMP B
4
13
11
V+ 1 2
V- 8 9
GND 5

IX5

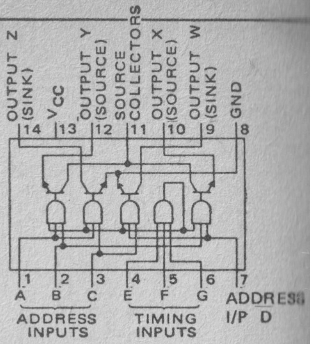

+5.0 V
INPUTS
1 20
2 19
3 18
4 17
5 16
6 15
7 14
8 13
9 12
10 11
11 10
12 9
13 8
14 7
15 6
16 5
VCC +5.0V
1
22 1
21 2
2 3
3 4
PARALLEL BINARY OUTPUTS
4 STROBE
24 KRO
AUXILIARY OUTPUTS
23
GND
KEYBOARD

IX6

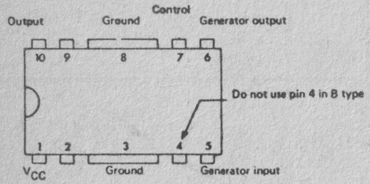

GND 2
OUTPUT Z (SINK)
VCC
OUTPUT Y (SOURCE)
SOURCE COLLECTORS
OUTPUT X (SOURCE)
OUTPUT W (SINK)
GND
16 15 14 13 12 11 10 9
1 2 3 4 5 6 7 8
NC A B C E F G
ADDRESS INPUT D
ADDRESS INPUTS
TIMING INPUTS

GND 1 and GND 2 are to be used in parallel.

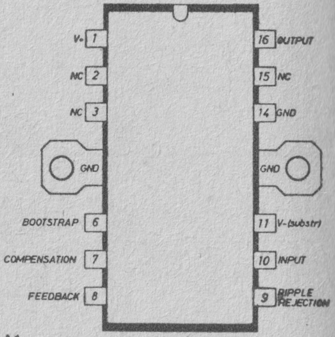
IX7


OUTPUT Z (SINK)
VCC
OUTPUT Y (SOURCE)
SOURCE COLLECTORS
OUTPUT X (SOURCE)
OUTPUT W (SINK)
GND
14 13 12 11 10 9 8
1 2 3 4 5 6 7
A B C E F G
ADDRESS I/P D
ADDRESS INPUTS
TIMING INPUTS

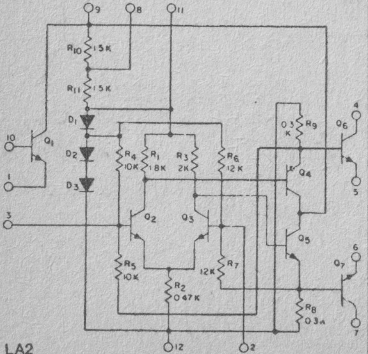
IX8


Output
Ground
Control
Generator output
10 9 8 7 6
Do not use pin 4 in 8 type
1 2 3 4 5
VCC
Ground
Generator input

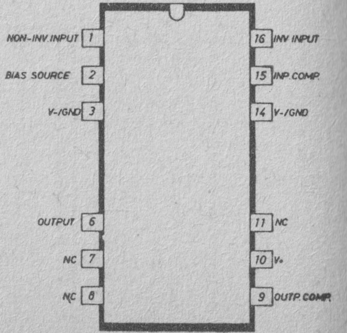
IX9


V+ 1
NC 2
NC 3
GND
BOOTSTRAP 6
COMPENSATION 7
FEEDBACK 8
16 OUTPUT
15 NC
14 GND
GND
11 V- (substr)
10 INPUT
9 RIPPLE REJECTION

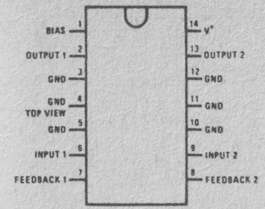
LA1


9
8
11
R10 1·5K
R11 1·5K
D1
D2
D3
10
Q1
1
3
R4 10K
R1 1·8K
R3 2K
R6 12K
Q2
Q3
R5 10K
R2 0·47K
12K R7
0·3K R9
Q4
Q5
Q6
Q7
R8 0·3Ω
4
5
6
7
12
2

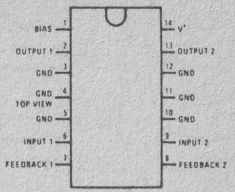
LA2


NON-INV INPUT 1
BIAS SOURCE 2
V-/GND 3
OUTPUT 6
NC 7
NC 8
16 INV INPUT
15 INP COMP
14 V-/GND
11 NC
10 V+
9 OUTP COMP

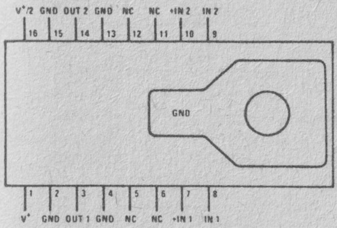
LA3


BIAS 1
OUTPUT 1 2
GND 3
GND 4
TOP VIEW
GND 5
INPUT 1 6
FEEDBACK 1 7
14 V+
13 OUTPUT 2
12 GND
11 GND
10 GND
9 INPUT 2
8 FEEDBACK 2

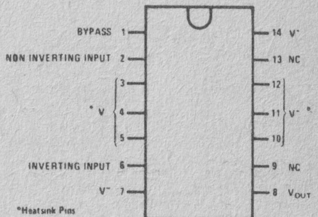
LA4


BIAS 1
OUTPUT 1 2
GND 3
GND 4
TOP VIEW
GND 5
INPUT 1 6
FEEDBACK 1 7
14 V+
13 OUTPUT 2
12 GND
11 GND
10 GND
9 INPUT 2
8 FEEDBACK 2

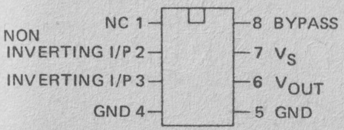
LA5


V+/2 GND OUT 2 GND NC NC +IN 2 IN 2
16 15 14 13 12 11 10 9
GND
1 2 3 4 5 6 7 8
V+ GND OUT 1 GND NC NC +IN 1 IN 1

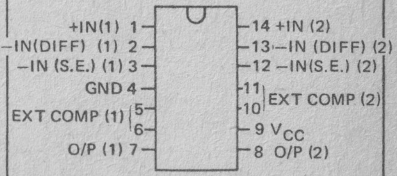
LA6


BYPASS 1
NON INVERTING INPUT 2
3
*V 4
5
INVERTING INPUT 6
V- 7
14 V+
13 NC
12
11 V- *
10
9 NC
8 VOUT
*Heatsink Pins

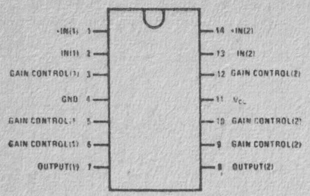
LA7


NC 1
NON INVERTING I/P 2
INVERTING I/P 3
GND 4
8 BYPASS
7 VS
6 VOUT
5 GND

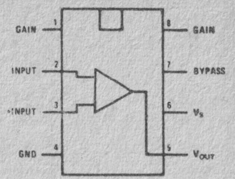
LA8


+IN(1) 1
-IN(DIFF) (1) 2
-IN (S.E.) (1) 3
GND 4
EXT COMP (1) 5
6
O/P (1) 7
14 +IN (2)
13 -IN (DIFF) (2)
12 -IN(S.E.) (2)
11
10 EXT COMP (2)
9 VCC
8 O/P (2)

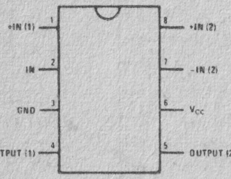
LA9


+IN(1) 1
IN(1) 2
GAIN CONTROL(1) 3
GND 4
GAIN CONTROL(1) 5
GAIN CONTROL(1) 6
OUTPUT(1) 7
14 +IN(2)
13 IN(2)
12 GAIN CONTROL(2)
11 V_CC
10 GAIN CONTROL(2)
9 GAIN CONTROL(2)
8 OUTPUT(2)

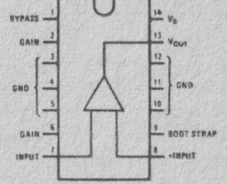
LA10


GAIN 1
INPUT 2
+INPUT 3
GND 4
8 GAIN
7 BYPASS
6 V_S
5 V_OUT

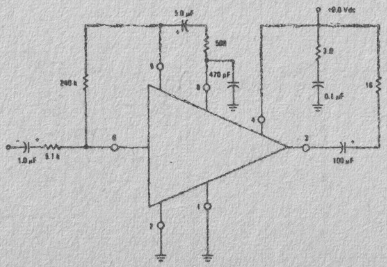
LA11


+IN (1) 1
IN 2
GND 3
OUTPUT (1) 4
8 +IN (2)
7 –IN (2)
6 V_CC
5 OUTPUT (2)

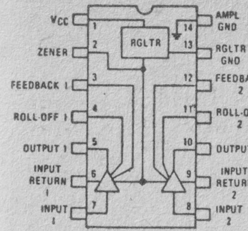
LA12


BYPASS 1
GAIN 2
3
GND 4
5
GAIN 6
INPUT 7
14 V_S
13 V_OUT
12
11 GND
10
9 BOOT STRAP
8 +INPUT

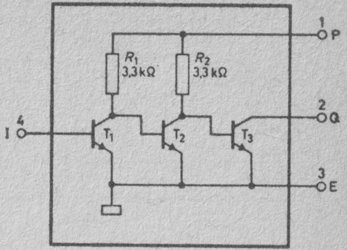
LA13


5.0 µF
50Ω
5
8
470 pF
+9.0 Vdc
3.0
0.1 µF
16
240 k
6
4
3
1.0 µF
5.1 k
100 µF
1
7

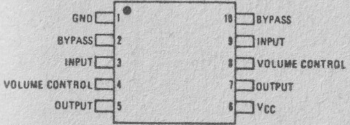
LA14


V_CC 1
ZENER 2
FEEDBACK 1 3
ROLL-OFF 1 4
OUTPUT 1 5
INPUT RETURN 1 6
INPUT 1 7
RGLTR
14 AMPL GND
13 RGLTR GND
12 FEEDBACK 2
11 ROLL-OFF 2
10 OUTPUT 2
9 INPUT RETURN 2
8 INPUT 2

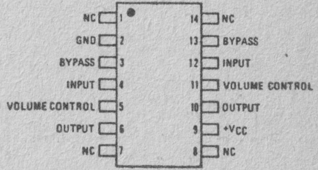
LA15


R_1 3,3 kΩ
R_2 3,3 kΩ
1 P
2 Q
3 E
4 I
T_1
T_2
T_3

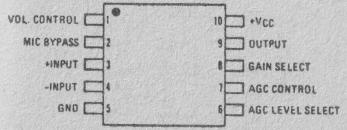
LA16


GND 1
BYPASS 2
INPUT 3
VOLUME CONTROL 4
OUTPUT 5
10 BYPASS
9 INPUT
8 VOLUME CONTROL
7 OUTPUT
6 V_CC

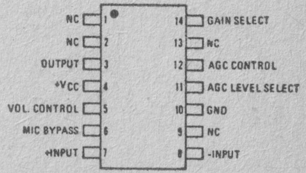
LA17


NC 1
GND 2
BYPASS 3
INPUT 4
VOLUME CONTROL 5
OUTPUT 6
NC 7
14 NC
13 BYPASS
12 INPUT
11 VOLUME CONTROL
10 OUTPUT
9 +V_CC
8 NC

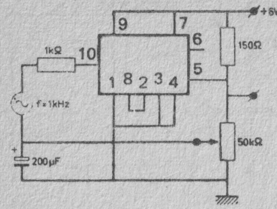
LA18


VOL. CONTROL 1
MIC BYPASS 2
+INPUT 3
-INPUT 4
GND 5
10 +V_CC
9 OUTPUT
8 GAIN SELECT
7 AGC CONTROL
6 AGC LEVEL SELECT

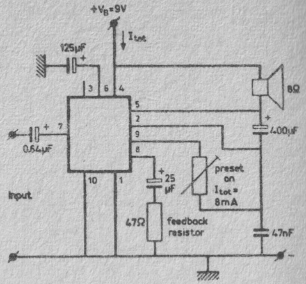
LA19


NC 1
NC 2
OUTPUT 3
+V_CC 4
VOL. CONTROL 5
MIC BYPASS 6
+INPUT 7
14 GAIN SELECT
13 NC
12 AGC CONTROL
11 AGC LEVEL SELECT
10 GND
9 NC
8 -INPUT

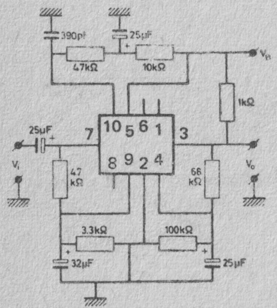
LA20


+6V
9
7
6
5
10
1 8 2 3 4
1kΩ
f=1kHz
150Ω
50kΩ
200µF

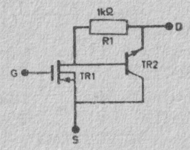
LA21


+V_B=9V
I_tot
125µF
3 6 4
5
2
9
8
10 1
0.64µF
Input
8Ω
400µF
25 µF
preset on I_tot = 8mA
47Ω
feedback resistor
47nF

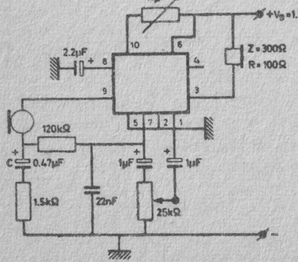
LA22


390pF
25µF
4.7kΩ
10kΩ
V_B
1kΩ
25µF
7
10 5 6 1
3
8 9 2 4
V_i
47 kΩ
68 kΩ
V_o
3.3kΩ
100kΩ
32µF
25µF

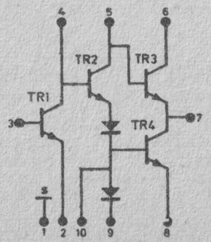
LA23


1kΩ
R1
D
G
TR1
TR2
S

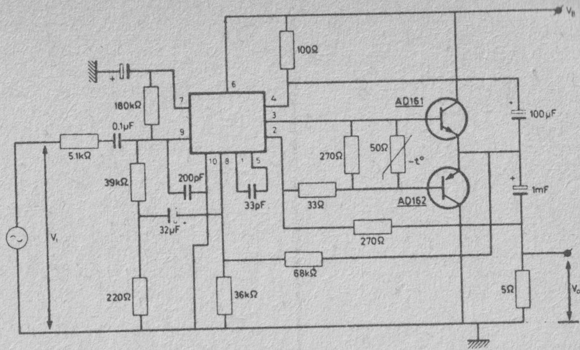
LA24


R_pr
+V_B=1.3V
10
6
2.2µF
8
4
Z=300Ω
R=100Ω
9
3
5 7 2 1
120kΩ
C 0.47µF
1µF
1µF
1.5kΩ
22nF
25kΩ

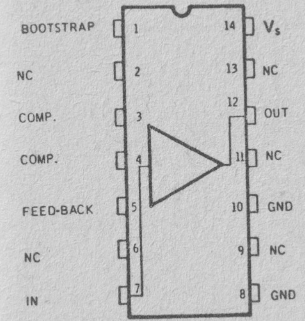
LA25


4
5
6
TR2
TR3
TR1
3
TR4
7
1 2 10 9 8

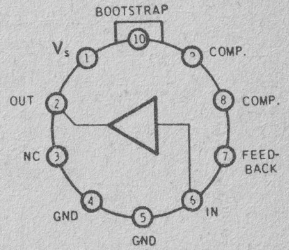
LA27


V_B
100Ω
180kΩ
0.1µF
7
6
4
3
2
9
10 8 1 5
AD161
100µF
5.1kΩ
270Ω
50Ω
-t°
39kΩ
200pF
33pF
33Ω
AD162
1mF
32µF
270Ω
V_i
68kΩ
220Ω
36kΩ
5Ω
V_o

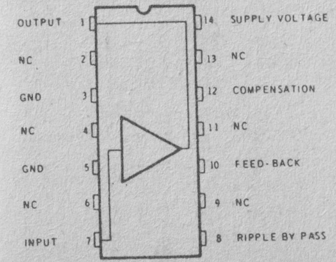
LA26


BOOTSTRAP 1
NC 2
COMP. 3
COMP. 4
FEED-BACK 5
NC 6
IN 7
14 V_s
13 NC
12 OUT
11 NC
10 GND
9 NC
8 GND

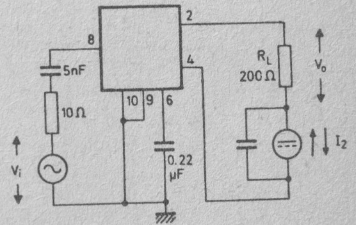
LA28


BOOTSTRAP
10
V_s 1
9 COMP.
OUT 2
8 COMP.
NC 3
7 FEED-BACK
GND 4
5 GND
6 IN

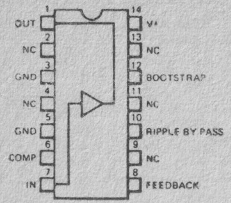
LA29


OUTPUT 1
NC 2
GND 3
NC 4
GND 5
NC 6
INPUT 7
14 SUPPLY VOLTAGE
13 NC
12 COMPENSATION
11 NC
10 FEED-BACK
9 NC
8 RIPPLE BY PASS

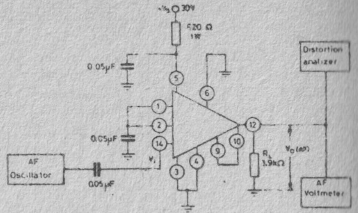
LA30


8
2
4
5nF
10Ω
V_i
10 9 6
0.22 µF
R_L 200Ω
V_o
I_2

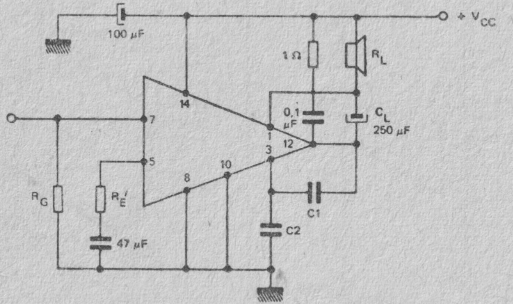
LA31


OUT
NC
GND
NC
GND
COMP
IN
1
2
3
4
5
6
7
14
13
12
11
10
9
8
V+
NC
BOOTSTRAP
NC
RIPPLE BY PASS
NC
FEEDBACK

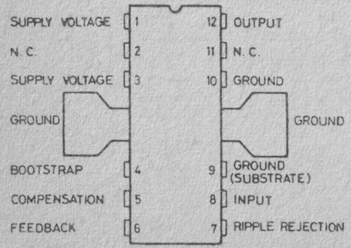
LA32


+Vs 30V
520 Ω
1W
0.05µF
0.05µF
0.05µF
AF Oscillator
Vi
1
2
14
5
6
3
4
9
10
12
RL
3.9kΩ
Vo(as)
Distortion analizer
AF Voltmeter

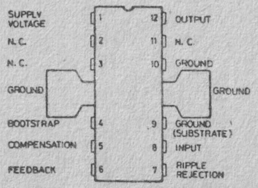
LA33


100 µF
+VCC
1 Ω
RL
0,1 µF
CL
250 µF
14
7
5
1
12
3
10
8
RG
RE'
47 µF
C1
C2

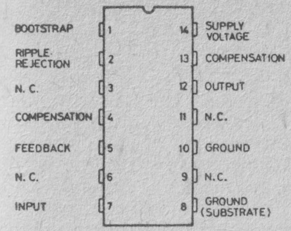
LA34


SUPPLY VOLTAGE
N. C.
SUPPLY VOLTAGE
GROUND
BOOTSTRAP
COMPENSATION
FEEDBACK
1
2
3
4
5
6
12
11
10
9
8
7
OUTPUT
N. C.
GROUND
GROUND
GROUND (SUBSTRATE)
INPUT
RIPPLE REJECTION

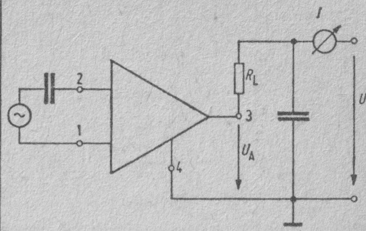
LA35


SUPPLY VOLTAGE
N.C.
N. C.
GROUND
BOOTSTRAP
COMPENSATION
FEEDBACK
1
2
3
4
5
6
12
11
10
9
8
7
OUTPUT
N. C.
GROUND
GROUND
GROUND (SUBSTRATE)
INPUT
RIPPLE REJECTION

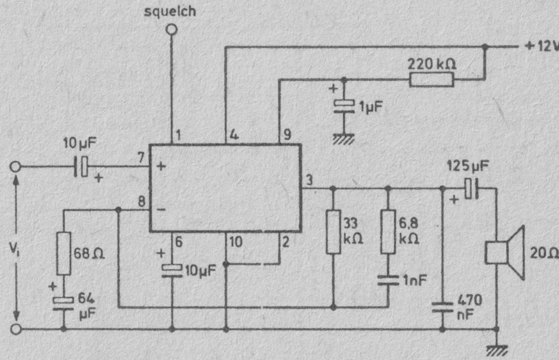
LA36


BOOTSTRAP
RIPPLE REJECTION
N. C.
COMPENSATION
FEEDBACK
N. C.
INPUT
1
2
3
4
5
6
7
14
13
12
11
10
9
8
SUPPLY VOLTAGE
COMPENSATION
OUTPUT
N. C.
GROUND
N. C.
GROUND (SUBSTRATE)

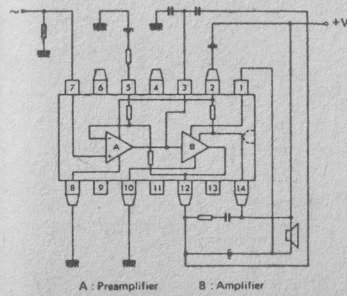
LA37


I
RL
2
1
3
4
UA
U

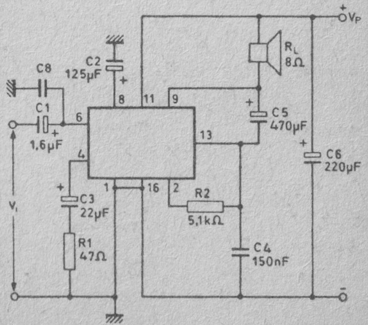
LA38


squelch
+12V
220 kΩ
1µF
1
4
9
10µF
7
+
8
−
3
125µF
Vi
68 Ω
64 µF
6
10µF
10
2
33 kΩ
6,8 kΩ
1nF
470 nF
20Ω

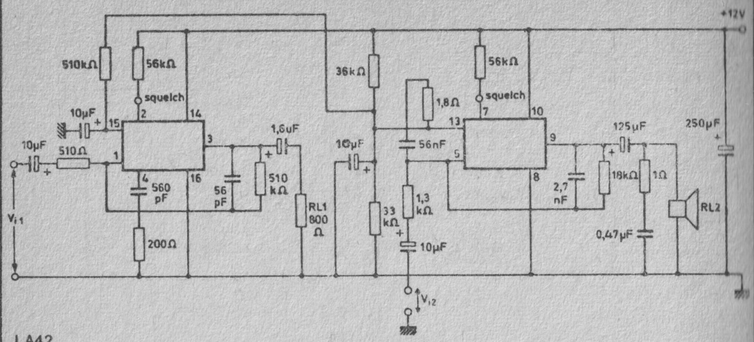
LA39


~
+VCC
7
6
5
4
3
2
1
A
B
8
9
10
11
12
13
14
A : Preamplifier
B : Amplifier

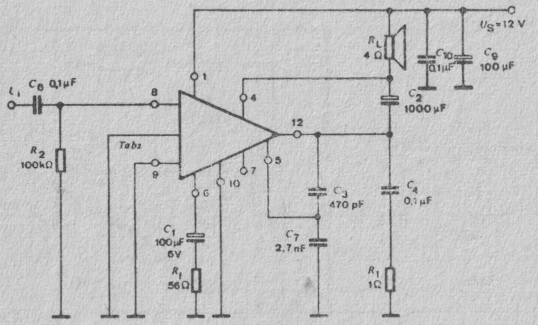
LA40


+VP
C2
125µF
C8
C1
1,6µF
8
11
9
6
4
13
1
16
2
RL
8Ω
C5
470µF
C6
220µF
C3
22µF
R1
47Ω
R2
5,1kΩ
C4
150nF
Vi
−

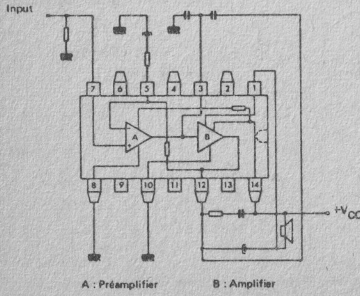
LA41


+12V
510kΩ
56kΩ
squelch
36kΩ
56kΩ
squelch
10µF
1,6µF
1,8Ω
125µF
250µF
510Ω
560 pF
56 pF
510 kΩ
RL1 800 Ω
56nF
2,7 nF
18kΩ
1Ω
RL2
200Ω
33 kΩ
1,3 kΩ
10µF
0,47µF
V_{i1}
V_{i2}

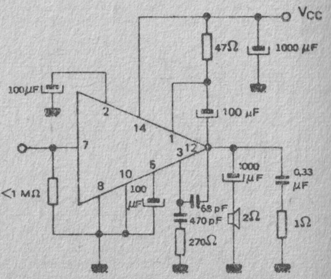
LA42


U_S=12 V
C_6 0,1µF
R_L 4 Ω
C_{10} 0,1µF
C_9 100 µF
C_2 1000 µF
R_2 100kΩ
Tabs
C_3 470 pF
C_4 0,1 µF
C_7 2,7 nF
C_1 100µF 6V
R_1 56Ω
R_1 1Ω

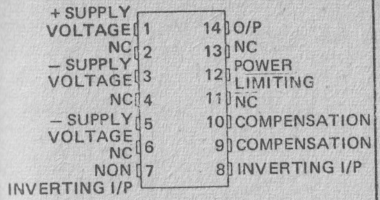
LA43


Input
+Vcc
A : Préamplifier
B : Amplifier

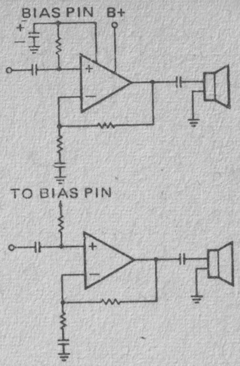
LA44


VCC
47Ω
1000 µF
100µF
100 µF
<1 MΩ
100 µF
1000 µF
0,33 µF
68 pF
470 pF
2Ω
1Ω
270Ω

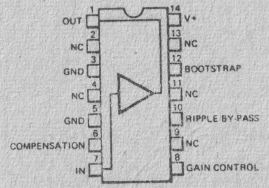
LA45


+ SUPPLY VOLTAGE 1
NC 2
– SUPPLY VOLTAGE 3
NC 4
– SUPPLY VOLTAGE 5
NC 6
NON INVERTING I/P 7
14 O/P
13 NC
12 POWER LIMITING
11 NC
10 COMPENSATION
9 COMPENSATION
8 INVERTING I/P

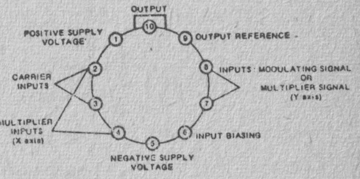
LA46


BIAS PIN
B+
TO BIAS PIN

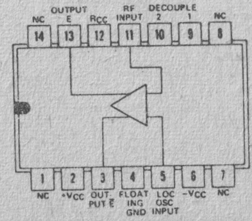
LA47


OUT
NC
GND
NC
GND
COMPENSATION
IN
V+
NC
BOOTSTRAP
NC
RIPPLE BY-PASS
NC
GAIN CONTROL

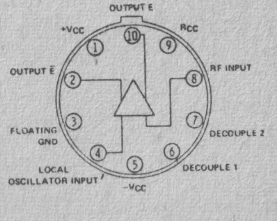
LA48


OUTPUT
POSITIVE SUPPLY VOLTAGE
OUTPUT REFERENCE
CARRIER INPUTS
INPUTS : MODULATING SIGNAL OR MULTIPLIER SIGNAL (Y axis)
MULTIPLIER INPUTS (X axis)
INPUT BIASING
NEGATIVE SUPPLY VOLTAGE

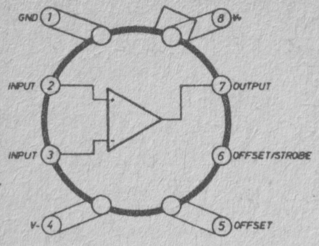
LB1


NC
OUTPUT E
RCC
RF INPUT
DECOUPLE 2
1
NC
NC
+VCC
OUT PUT Ē
FLOAT ING GND
LOC OSC INPUT
-VCC
NC

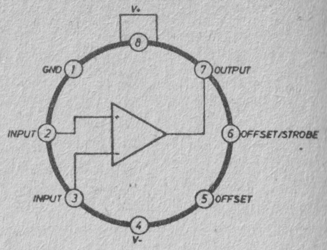
LB2


OUTPUT E
+VCC
RCC
OUTPUT Ē
RF INPUT
FLOATING GND
DECOUPLE 2
DECOUPLE 1
LOCAL OSCILLATOR INPUT
-VCC

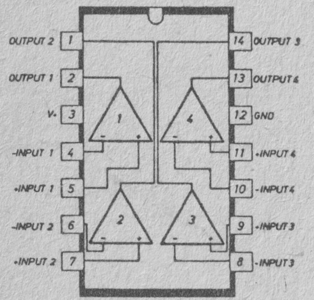
LB3


GND 1
8 V+
INPUT 2
7 OUTPUT
INPUT 3
6 OFFSET/STROBE
V- 4
5 OFFSET

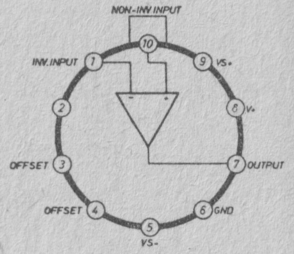
LC1


V+
8
GND 1
7 OUTPUT
INPUT 2
6 OFFSET/STROBE
INPUT 3
5 OFFSET
4
V-

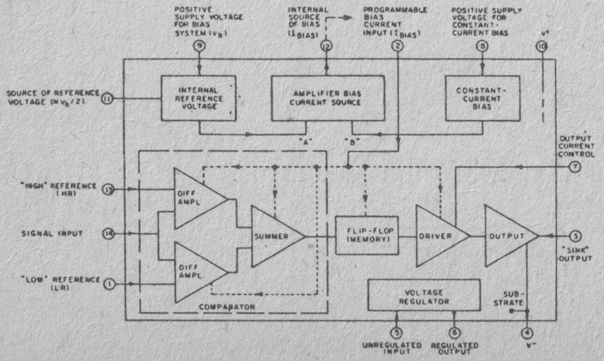
LC2


OUTPUT 2 1
OUTPUT 1 2
V+ 3
-INPUT 1 4
+INPUT 1 5
-INPUT 2 6
+INPUT 2 7
14 OUTPUT 3
13 OUTPUT 4
12 GND
11 +INPUT 4
10 -INPUT 4
9 +INPUT 3
8 -INPUT 3
1
2
3
4

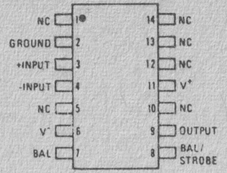
LC3


NON-INV INPUT
10
INV. INPUT 1
9 VS+
2
8 V+
OFFSET 3
7 OUTPUT
OFFSET 4
6 GND
5
VS-

LC5

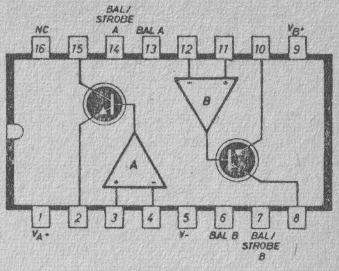

POSITIVE SUPPLY VOLTAGE FOR BIAS SYSTEM (Vb)
9
INTERNAL SOURCE OF BIAS (IBIAS)
12
PROGRAMMABLE BIAS CURRENT INPUT (IBIAS)
2
POSITIVE SUPPLY VOLTAGE FOR CONSTANT-CURRENT BIAS
8
V+
10
SOURCE OF REFERENCE VOLTAGE (≈Vb/2)
11
INTERNAL REFERENCE VOLTAGE
AMPLIFIER BIAS CURRENT SOURCE
CONSTANT-CURRENT BIAS
"A"
"B"
OUTPUT CURRENT CONTROL
7
"HIGH" REFERENCE (HR)
13
DIFF AMPL
SIGNAL INPUT
14
SUMMER
FLIP-FLOP (MEMORY)
DRIVER
OUTPUT
3
"SINK" OUTPUT
"LOW" REFERENCE (LR)
1
DIFF AMPL
COMPARATOR
VOLTAGE REGULATOR
SUB-STRATE
5
UNREGULATED INPUT
6
REGULATED OUTPUT
4
V-

LC4

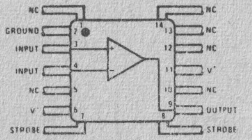

NC 1
GROUND 2
+INPUT 3
-INPUT 4
NC 5
V- 6
BAL 7
14 NC
13 NC
12 NC
11 V+
10 NC
9 OUTPUT
8 BAL/STROBE

NOTE: Pin 6 connected
to bottom of package.

LC6

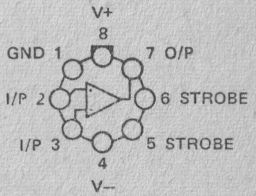

NC
BAL/STROBE A
BAL A
VB+
16
15
14
13
12
11
10
9
B
A
1
2
3
4
5
6
7
8
VA+
V-
BAL B
BAL/STROBE B

LC7

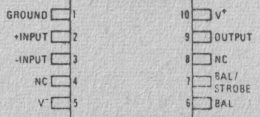

NC
GROUND 2
INPUT 3
INPUT 4
NC 5
V- 6
STROBE 7
14 NC
13 NC
12 NC
11 V+
10 NC
9 OUTPUT
8 STROBE

Note:— Pin 6 connected to bottom of package.

LC8

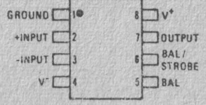

V+
8
GND 1
7 O/P
I/P 2
6 STROBE
I/P 3
5 STROBE
4
V--

LC9

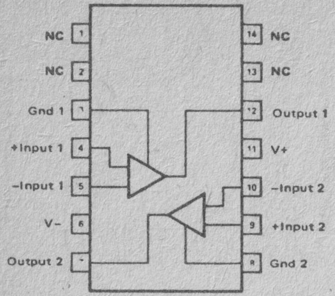

GROUND 1
+INPUT 2
-INPUT 3
NC 4
V- 5
10 V+
9 OUTPUT
8 NC
7 BAL/STROBE
6 BAL

NOTE: Pin 5 connected
to bottom of package.

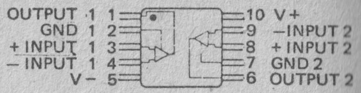
LC10


GROUND 1
+INPUT 2
-INPUT 3
V- 4
8 V+
7 OUTPUT
6 BAL/STROBE
5 BAL

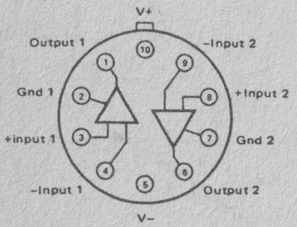
LC11


NC 1
NC 2
Gnd 1
+Input 1 4
−Input 1 5
V− 6
Output 2
14 NC
13 NC
Output 1
11 V+
10 −Input 2
9 +Input 2
8 Gnd 2

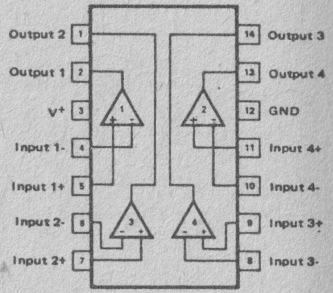
LC12


OUTPUT 1 1
GND 1 2
+ INPUT 1 3
− INPUT 1 4
V− 5
10 V+
9 −INPUT 2
8 +INPUT 2
7 GND 2
6 OUTPUT 2

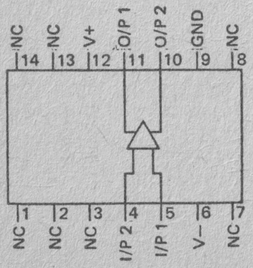
LC13


V+
Output 1
−Input 2
Gnd 1
+Input 2
+input 1
Gnd 2
−Input 1
Output 2
V−
1
2
3
4
5
6
7
8
9
10

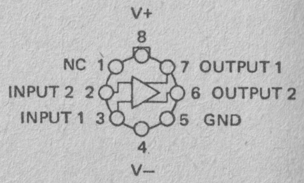
LC14


Output 2 1
Output 1 2
V+ 3
Input 1- 4
Input 1+ 5
Input 2- 6
Input 2+ 7
14 Output 3
13 Output 4
12 GND
11 Input 4+
10 Input 4-
9 Input 3+
8 Input 3-
1
2
3
4

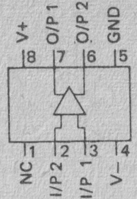
LC15


NC 14
NC 13
V+ 12
O/P 1 11
O/P 2 10
GND 9
NC 8
1 NC
2 NC
3 NC
4 I/P 2
5 I/P 1
6 V−
7 NC

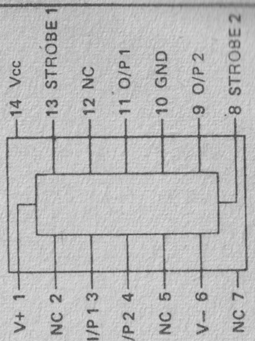
LC16


V+
8
NC 1
7 OUTPUT 1
INPUT 2 2
6 OUTPUT 2
INPUT 1 3
5 GND
4
V−

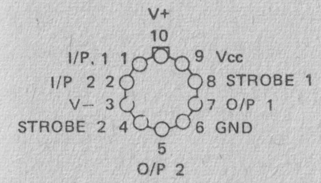
LC17


V+ 8
O/P 1 7
O/P 2 6
GND 5
1 NC
2 I/P 2
3 I/P 1
4 V−

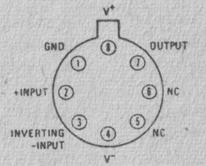
LC18


14 Vcc
13 STROBE 1
12 NC
11 O/P 1
10 GND
9 O/P 2
8 STROBE 2
V+ 1
NC 2
I/P 1 3
I/P 2 4
NC 5
V− 6
NC 7

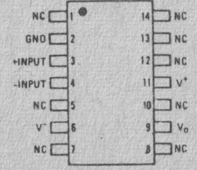
LC19


V+
10
I/P. 1 1
9 Vcc
I/P 2 2
8 STROBE 1
V− 3
7 O/P 1
STROBE 2 4
6 GND
5
O/P 2

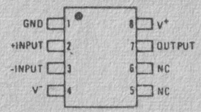
LC20


V+
GND
OUTPUT
+INPUT
NC
INVERTING
-INPUT
NC
V−
1
2
3
4
5
6
7
8

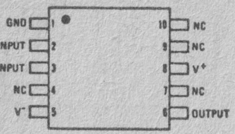
LC21


NC 1
GND 2
+INPUT 3
-INPUT 4
NC 5
V− 6
NC 7
14 NC
13 NC
12 NC
11 V+
10 NC
9 V0
8 NC

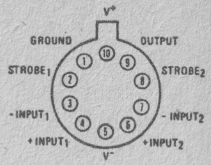
LC22


GND 1
+INPUT 2
-INPUT 3
V− 4
8 V+
7 OUTPUT
6 NC
5 NC

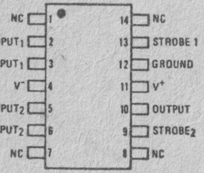
LC23


GND 1
+INPUT 2
−INPUT 3
NC 4
V⁻ 5
10 NC
9 NC
8 V⁺
7 NC
6 OUTPUT

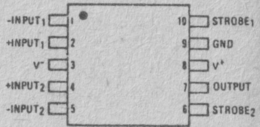
LC24


V⁺
GROUND
OUTPUT
STROBE1
STROBE2
−INPUT1
−INPUT2
+INPUT1
+INPUT2
V⁻
1
2
3
4
5
6
7
8
9
10

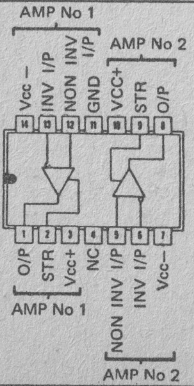
LC25


NC 1
−INPUT1 2
+INPUT1 3
V⁻ 4
+INPUT2 5
−INPUT2 6
NC 7
14 NC
13 STROBE 1
12 GROUND
11 V⁺
10 OUTPUT
9 STROBE2
8 NC

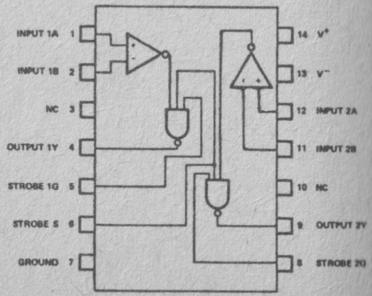
LC26


−INPUT1 1
+INPUT1 2
V⁻ 3
+INPUT2 4
−INPUT2 5
10 STROBE1
9 GND
8 V⁺
7 OUTPUT
6 STROBE2

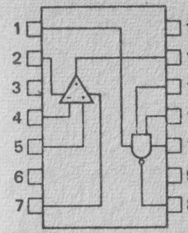
LC27


AMP No 1
AMP No 2
Vcc −
INV I/P
NON INV I/P
GND
VCC+
STR
O/P
14
13
12
11
10
9
8
1
2
3
4
5
6
7
O/P
STR
Vcc+
NC
NON INV I/P
INV I/P
Vcc−
AMP No 1
AMP No 2

LC28

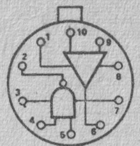

INPUT 1A 1
INPUT 1B 2
NC 3
OUTPUT 1Y 4
STROBE 1G 5
STROBE S 6
GROUND 7
14 V⁺
13 V⁻
12 INPUT 2A
11 INPUT 2B
10 NC
9 OUTPUT 2Y
8 STROBE 2G

LC29


1
2
3
4
5
6
7
14
13
12
11
10
9
8

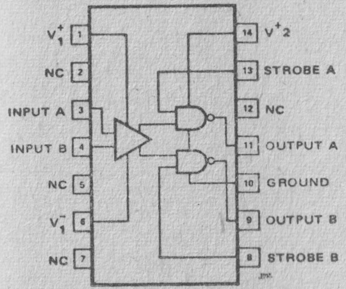
1. V_2^+
2. V_1^+
3. NC
4. V_{IN}
5. V_{IN}
6. NC
7. V^-
8. V_o
9. NC
10. Ground
11. V_{IN}
12. V_{IN}
13. e_o
14. NC

LC30

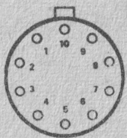

1
2
3
4
5
6
7
8
9
10

1. V_1^-
2. V_0
3. Ground
4. V_{IN}
5. V_{IN}
6. e_o
7. V_2^+
8. V_1^+
9. e_{in}
10. e_{in}

LC31

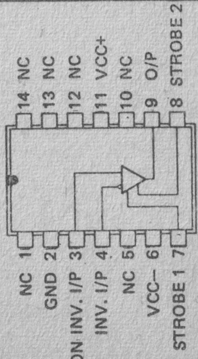

V1+ 1
NC 2
INPUT A 3
INPUT B 4
NC 5
V1− 6
NC 7
14 V+2
13 STROBE A
12 NC
11 OUTPUT A
10 GROUND
9 OUTPUT B
8 STROBE B

LC32

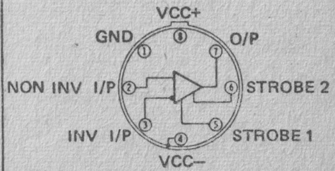

1
2
3
4
5
6
7
8
9
10

1. Input A
2. Input B
3. V_1^-
4. Strobe B
5. Output B
6. Ground
7. Output A
8. Strobe A
9. V_2^+
10. V_1^+

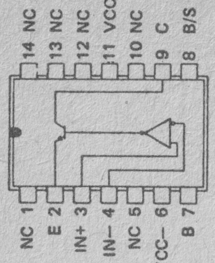
LC33


14 NC
13 NC
12 NC
11 VCC+
10 NC
9 O/P
8 STROBE 2
NC 1
GND 2
NON INV. I/P 3
INV. I/P 4
NC 5
VCC− 6
STROBE 1 7

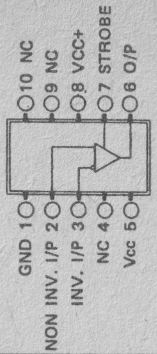
LC34


VCC+
GND
O/P
NON INV I/P
STROBE 2
INV I/P
STROBE 1
VCC−
1
2
3
4
5
6
7
8

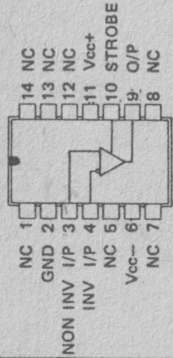
LC35


14 NC
13 NC
12 NC
11 VCC+
10 NC
9 C
8 B/S
NC 1
E 2
IN+ 3
IN− 4
NC 5
VCC− 6
B 7

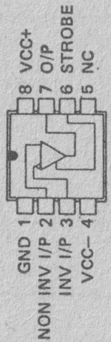
LC36


10 NC
9 NC
8 VCC+
7 STROBE
6 O/P
GND 1
NON INV. I/P 2
INV. I/P 3
NC 4
Vcc 5

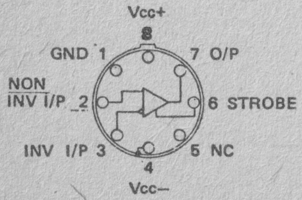
LC37


14 NC
13 NC
12 NC
11 Vcc+
10 STROBE
9 O/P
8 NC
NC 1
GND 2
NON INV I/P 3
INV I/P 4
NC 5
Vcc− 6
NC 7

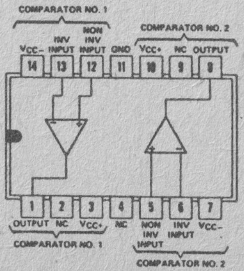
LC38


8 VCC+
7 O/P
6 STROBE
5 NC
GND 1
NON INV I/P 2
INV I/P 3
VCC− 4

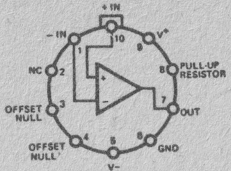
LC39


Vcc+
8
GND 1
7 O/P
NON INV I/P 2
6 STROBE
INV I/P 3
5 NC
4
Vcc−

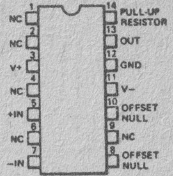
LC40


COMPARATOR NO. 1
VCC−
INV INPUT
NON INV INPUT
GND
COMPARATOR NO. 2
VCC+
NC
OUTPUT
14
13
12
11
10
9
8
1
2
3
4
5
6
7
OUTPUT
NC
VCC+
NC
NON INV INPUT
INV INPUT
VCC−
COMPARATOR NO. 1
COMPARATOR NO. 2

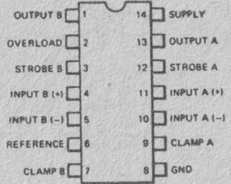
LC41


+IN
−IN
10
V+
9
NC
2
PULL-UP RESISTOR
8
OFFSET NULL
3
7
OUT
OFFSET NULL
4
5
6
GND
V−
1

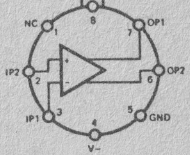
LC42


NC 1
NC 2
V+ 3
NC 4
+IN 5
NC 6
−IN 7
14 PULL-UP RESISTOR
13 OUT
12 GND
11 V−
10 OFFSET NULL
9 NC
8 OFFSET NULL

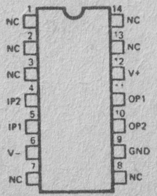
LC43


OUTPUT B 1
OVERLOAD 2
STROBE B 3
INPUT B (+) 4
INPUT B (−) 5
REFERENCE 6
CLAMP B 7
14 SUPPLY
13 OUTPUT A
12 STROBE A
11 INPUT A (+)
10 INPUT A (−)
9 CLAMP A
8 GND

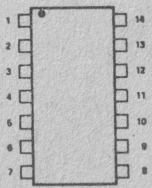
LC44


V+
8
NC 1
7 OP1
IP2 2
6 OP2
IP1 3
5 GND
4
V−

LC45

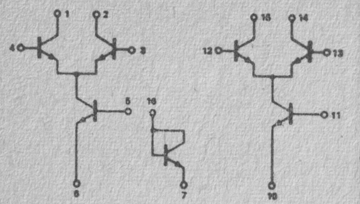

NC 1
NC 2
NC 3
IP2 4
IP1 5
V− 6
NC 7
14 NC
13 NC
12 V+
11 OP1
10 OP2
9 GND
8 NC

LC46

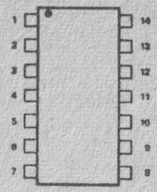

1
2
3
4
5
6
7
14
13
12
11
10
9
8

1. Output B
2. Output A
3. Input A
4. Input B
5. Reference
6. Source 1
7. Ground
8. Source 2
9. Bias
10. Input D
11. Input C
12. Output C
13. Output D
14. V$^+$

LD1

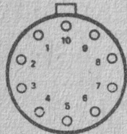

1
2
4
3
5
16
6
7
15
14
12
13
11
10

LD2


1
2
3
4
5
6
7
14
13
12
11
10
9
8

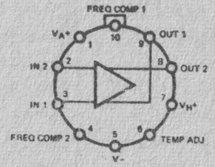
1. Input B
2. NC
3. NC
4. Compensation
5. NC
6. Output B
7. V^-
8. Output A
9. NC
10. NC
11. Compensation
12. NC
13. Input A
14. V^+

LD3

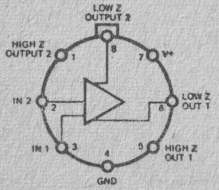

10
9
1
2
8
3
7
4
6
5

1. V^-
2. Output A
3. NC
4. Compensation
5. Input A
6. V^+
7. Input B
8. Compensation
9. NC
10. Output B

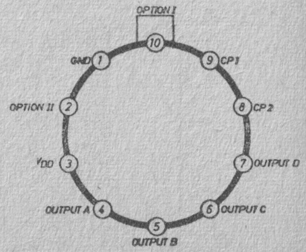
LD4


FREQ COMP 1
V_A+
10
OUT 1
1
9
IN 2
2
8
OUT 2
3
7
IN 1
V_H+
FREQ COMP 2
4
5
6
TEMP ADJ
V-

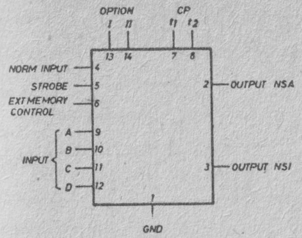
LD5


LOW Z
OUTPUT 2
HIGH Z
OUTPUT 2
1
8
7
V+
IN 2
2
6
LOW Z
OUT 1
IN 1
3
4
5
HIGH Z
OUT 1
GND

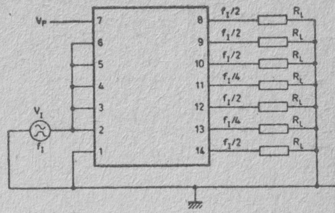
LD6


OPTION I
GND 1
10
9 CP1
OPTION II 2
8 CP2
VDD 3
7 OUTPUT D
OUTPUT A 4
6 OUTPUT C
5
OUTPUT B

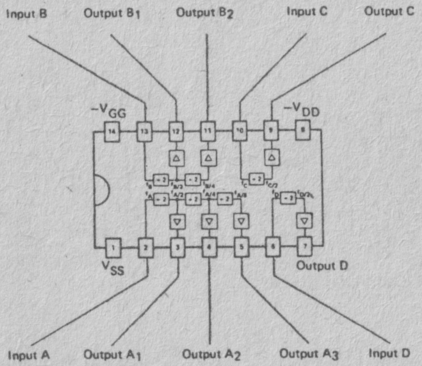
LE1


OPTION
I II
CP
t1 t2
13 14 7 8
NORM INPUT 4
STROBE 5
EXT MEMORY CONTROL 6
INPUT
A 9
B 10
C 11
D 12
2 OUTPUT NSA
3 OUTPUT NSI
1
GND

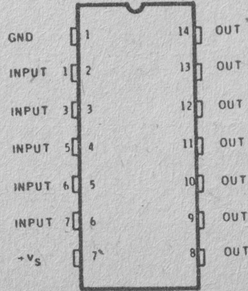
LE2


Vp
7
6
5
4
3
2
1
V_I
f_I
8 f_I/2 R_L
9 f_I/2 R_L
10 f_I/2 R_L
11 f_I/4 R_L
12 f_I/2 R_L
13 f_I/4 R_L
14 f_I/2 R_L
0

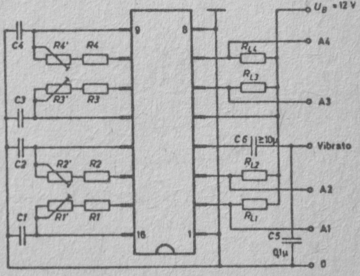
LE3


Input B
Output B1
Output B2
Input C
Output C
−VGG
−VDD
14
13
12
11
10
9
8
1
2
3
4
5
6
7
VSS
Output D
Input A
Output A1
Output A2
Output A3
Input D

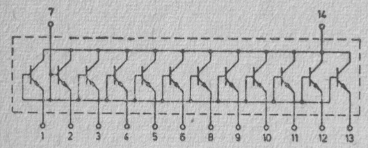
LE4


GND 1
INPUT 1 2
INPUT 3 3
INPUT 5 4
INPUT 6 5
INPUT 7 6
+V_S 7
14 OUT 1
13 OUT 2
12 OUT 3
11 OUT 4
10 OUT 5
9 OUT 6
8 OUT 7

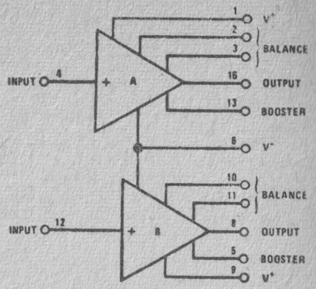
LE5


C4
R4'
R4
C3
R3'
R3
C2
R2'
R2
C1
R1'
R1
9
16
8
1
U_B = 12 V
A4
R_L4
R_L3
A3
C6
≥10μ
Vibrato
R_L2
A2
R_L1
A1
C5
0,1μ
0

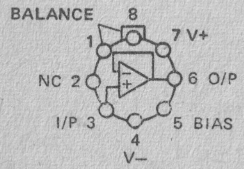
LE6


7
14
1
2
3
4
5
6
8
9
10
11
12
13

LE7

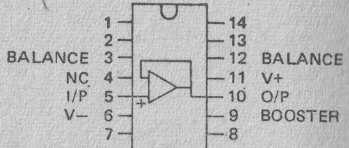

1 V+
2
3 BALANCE
INPUT 4
+ A
16 OUTPUT
13 BOOSTER
6 V-
10
11 BALANCE
INPUT 12
+ B
8 OUTPUT
5 BOOSTER
9 V+

LG1


BALANCE 8
1
7 V+
NC 2
6 O/P
I/P 3
5 BIAS
4
V–

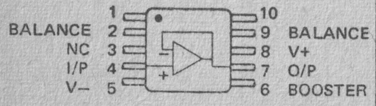
Note:— Pin 4 Connected to case.

LG2


1
2
BALANCE 3
NC 4
I/P 5
V– 6
7
14
13
12 BALANCE
11 V+
10 O/P
9 BOOSTER
8

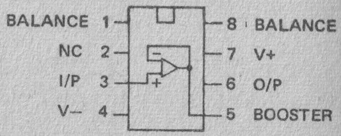
Note Pin 6 connected to bottom of package

LG3

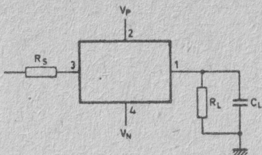

1
BALANCE 2
NC 3
I/P 4
V– 5
10
9 BALANCE
8 V+
7 O/P
6 BOOSTER

Note:— Pin 5 connected to bottom of package

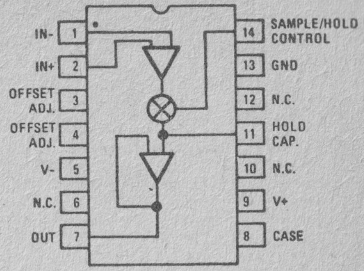
LG4


BALANCE 1
NC 2
I/P 3
V– 4
8 BALANCE
7 V+
6 O/P
5 BOOSTER

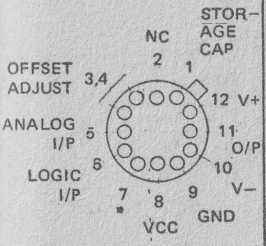
LG5


VP
2
RS
3
1
4
VN
RL
CL

LG6

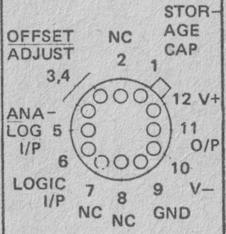

IN- 1
IN+ 2
OFFSET ADJ. 3
OFFSET ADJ. 4
V- 5
N.C. 6
OUT 7
14 SAMPLE/HOLD CONTROL
13 GND
12 N.C.
11 HOLD CAP.
10 N.C.
9 V+
8 CASE

LH1

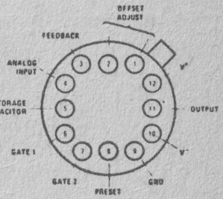

NC
2
STOR-AGE CAP
1
OFFSET ADJUST 3,4
12 V+
ANALOG I/P 5
11 O/P
LOGIC I/P 6
10
7
8
VCC
9 V–
GND

* Tie for operation with V+ = 15V only

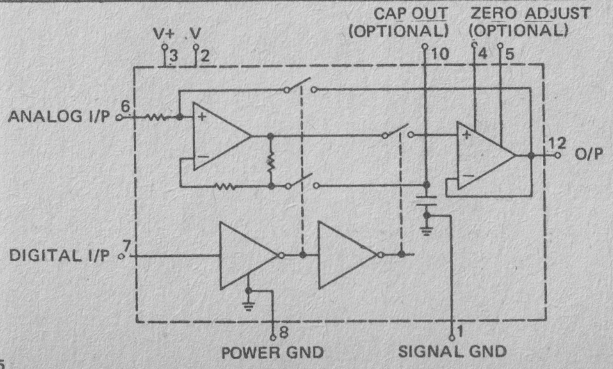
LH2


OFFSET ADJUST
3,4
NC
2
STOR-AGE CAP
1
12 V+
ANA-LOG I/P 5
11 O/P
LOGIC I/P 6
10
7 NC
8 NC
9 V–
GND

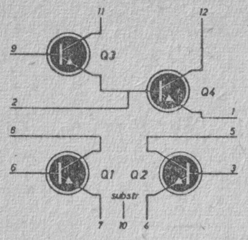
LH3


OFFSET ADJUST
FEEDBACK
ANALOG INPUT
STORAGE CAPACITOR
GATE 1
GATE 2
PRESET
GND
V-
OUTPUT
V+

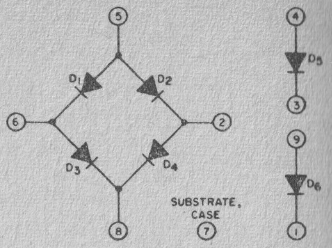
LH4


V+ V
3 2
CAP OUT (OPTIONAL)
10
ZERO ADJUST (OPTIONAL)
4 5
ANALOG I/P 6
12 O/P
DIGITAL I/P 7
8 POWER GND
1 SIGNAL GND

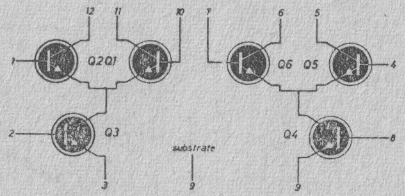
LH5


11
12
9
Q3
Q4
2
1
8
5
6
Q1
Q2
3
substr
7
10
4

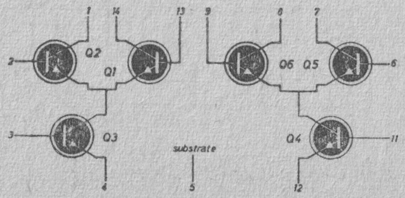
L11


5
D1
D2
6
2
D3
D4
8
SUBSTRATE, CASE
7
4
D5
3
9
D6
1

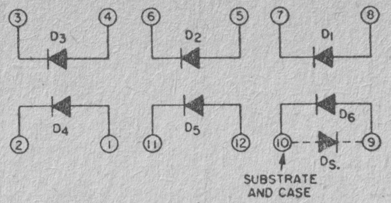
L12


12
11
10
7
6
5
1
Q2 Q1
Q6
Q5
4
2
Q3
Q4
8
substrate
3
9
9

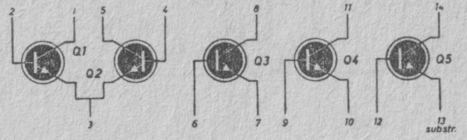
L13


1
14
13
9
8
7
2
Q2
Q1
Q6
Q5
6
3
Q3
substrate
Q4
11
4
5
12

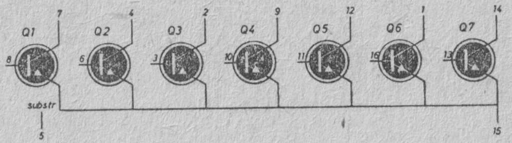
L14


3
4
6
5
7
8
D3
D2
D1
D4
D5
D6
2
1
11
12
10
9
DS.
SUBSTRATE AND CASE

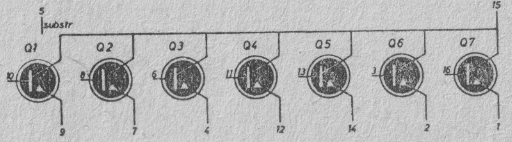
L15


2
1
5
4
8
11
14
Q1
Q2
Q3
Q4
Q5
3
6
7
9
10
12
13
substr.

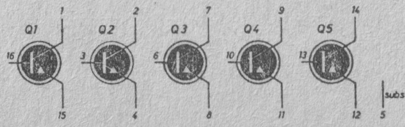
L16


Q1
Q2
Q3
Q4
Q5
Q6
Q7
7
4
2
9
12
1
14
8
6
3
10
11
16
13
substr
5
15

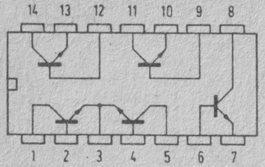
L17


5
substr
15
Q1
Q2
Q3
Q4
Q5
Q6
Q7
10
8
6
11
13
3
16
9
7
4
12
14
2
1

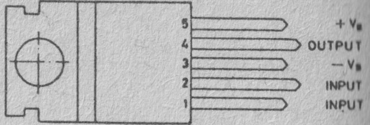
L18


Q1
Q2
Q3
Q4
Q5
1
2
7
9
14
16
3
6
10
13
15
4
8
11
12
substr.
5

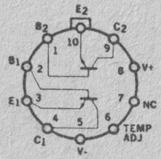
L19


14 13 12 11 10 9 8
1 2 3 4 5 6 7

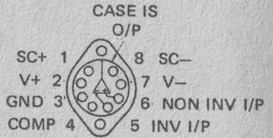
LI21


5 + V
4 OUTPUT
3 − V
2 INPUT
1 INPUT

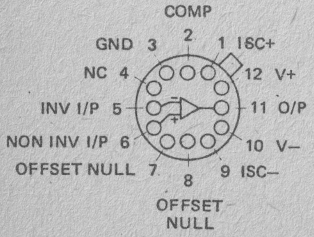
LI22


E2
B2
C2
B1
V+
E1
NC
C1
V-
TEMP ADJ
1 2 3 4 5 6 7 8 9 10

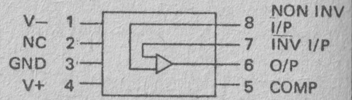
LI23


CASE IS O/P
SC+ 1
V+ 2
GND 3
COMP 4
8 SC−
7 V−
6 NON INV I/P
5 INV I/P

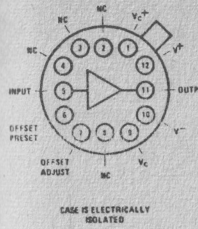
LK1


COMP
2
GND 3
1 ISC+
NC 4
12 V+
INV I/P 5
11 O/P
NON INV I/P 6
10 V−
OFFSET NULL 7
9 ISC−
8
OFFSET NULL

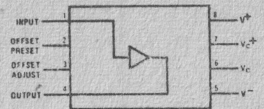
LK2


V− 1
NC 2
GND 3
V+ 4
8 NON INV I/P
7 INV I/P
6 O/P
5 COMP

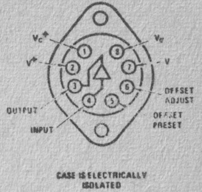
LK3


NC
NC
NC
Vc+
V+
INPUT
OUTPUT
OFFSET PRESET
V−
OFFSET ADJUST
NC
Vc
CASE IS ELECTRICALLY ISOLATED

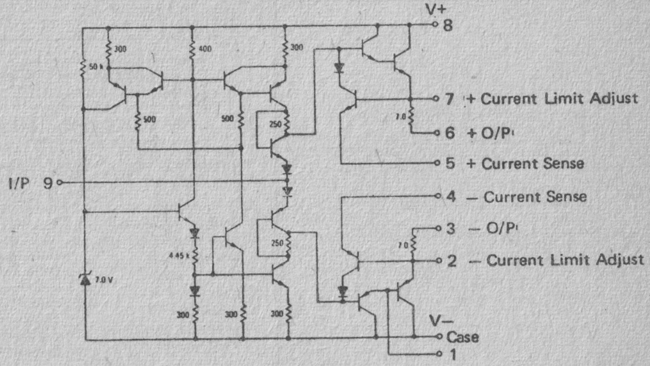
LK4


INPUT 1
OFFSET PRESET 2
OFFSET ADJUST 3
OUTPUT 4
8 V+
7 Vc+
6 Vc
5 V−

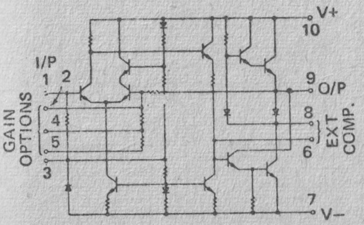
LK5


Vc+
Vc
V+
V
OUTPUT
OFFSET ADJUST
INPUT
OFFSET PRESET
CASE IS ELECTRICALLY ISOLATED

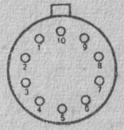
LK6


V+
8
7 + Current Limit Adjust
6 + O/P
5 + Current Sense
4 − Current Sense
3 − O/P
2 − Current Limit Adjust
V−
Case
1
I/P 9
300
400
300
50 k
500
500
250
250
4.45 k
7.0 V
300
300
300
7.0
7.0

LK7

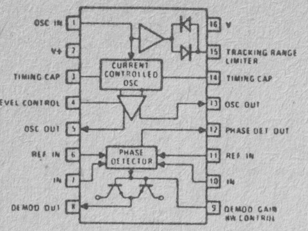

V+
10
I/P
1 2
9 O/P
GAIN OPTIONS
4
5
3
8
6
EXT COMP.
7
V−

LK8

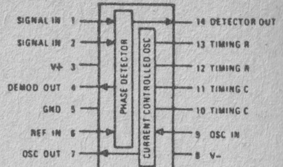

1 2 3 4 5 6 7 8 9 10

1. Power Limit
2. Non Inverting Input
3. NC
4. Inverting Input
5. Power Limit
6. V⁻
7. Output 1 (emmitter)
8. Output 2 (base)
9. Output 3 (collector)
10. V⁺

LK9

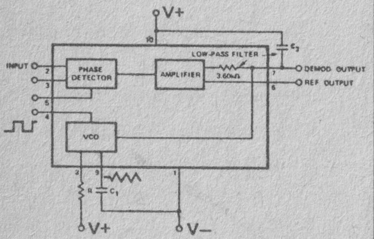

OSC IN 1
V+ 2
TIMING CAP 3
LEVEL CONTROL 4
OSC OUT 5
REF IN 6
IN 7
DEMOD OUT 8
16 V
15 TRACKING RANGE LIMITER
14 TIMING CAP
13 OSC OUT
12 PHASE DET OUT
11 REF IN
10 IN
9 DEMOD GAIN BW CONTROL
CURRENT CONTROLLED OSC
PHASE DETECTOR

LL1

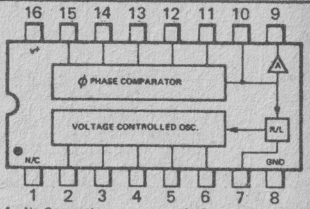

SIGNAL IN 1
SIGNAL IN 2
V+ 3
DEMOD OUT 4
GND 5
REF IN 6
OSC OUT 7
14 DETECTOR OUT
13 TIMING R
12 TIMING R
11 TIMING C
10 TIMING C
9 OSC IN
8 V−
PHASE DETECTOR
CURRENT CONTROLLED OSC

NOTE: V− connected to case.

LL2

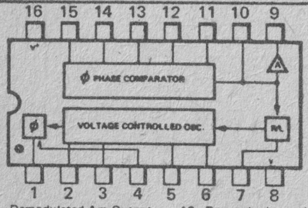

V+
10
C2
LOW-PASS FILTER
INPUT
PHASE DETECTOR
AMPLIFIER
3.6kΩ
DEMOD OUTPUT
REF OUTPUT
VCO
R
C1
V+
V−

LL3


16 15 14 13 12 11 10 9
V+
φ PHASE COMPARATOR
VOLTAGE CONTROLLED OSC.
R/L
N/C
GND
1 2 3 4 5 6 7 8

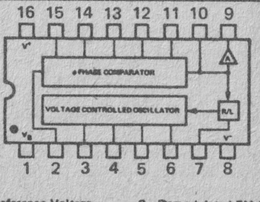
1. No Connection
2. VCO Timing Capacitor
3. VCO Timing Capacitor
4. VCO Output #2
5. VCO Output #1
6. Fine Tuning
7. Range Control
8. Ground (or Negative Power Supply)
9. Demodulated FM Output (an open emitter)
10. De-emphasis terminal (Audio bandshaping)
11. Offset Adjustment
12. FM/RF Input #1
13. FM/RF Input #2
14. Low Pass Loop Filter
15. Low Pass Loop Filter
16. Positive Power Supply

LL4


16 15 14 13 12 11 10 9
V+
φ PHASE COMPARATOR
VOLTAGE CONTROLLED OSC.
φ
R/L
V−
1 2 3 4 5 6 7 8

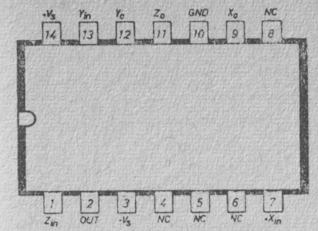
1. Demodulated Am Output
2. VCO Timing Capacitor
3. VCO Timing Capacitor
4. AM Input
5. VCO Output
6. Fine Tuning
7. Range Control
8. Ground (V⁻)
9. Demodulated FM Output (an open emitter)
10. De-emphasis terminal (audio band shaping)
11. Offset Adjustment
12. FM/RF Input #1
13. FM/RF Input #2
14. Low Pass Loop Filter
15. Low Pass Loop Filter
16. V⁺

LL5

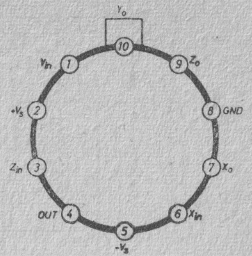

16 15 14 13 12 11 10 9
V+
φ PHASE COMPARATOR
VOLTAGE CONTROLLED OSCILLATOR
R/L
VB
V−
1 2 3 4 5 6 7 8

1. Bias Reference Voltage
2. Phase Comparator Input #1
3. VCO Output #1
4. VCO Output #2.
5. VCO Timing Capacitor
6. VCO Timing Capacitor
7. Range Control
8. Negative Power Supply (Ground)
9. Demodulated FM Output (an open emitter)
10. De-emphasis (Audio Bandshaping)
11. RF Input #1
12. RF Input #2
13. Low-Pass Loop Filter
14. Low-Pass Loop Filter
15. Phase Comparator Input #2
16. Positive Power Supply

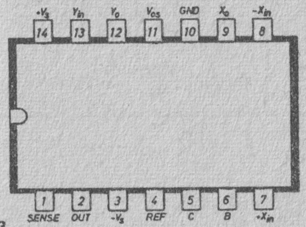
LL6


+Vs 14
Yin 13
Yo 12
Zo 11
GND 10
Xo 9
NC 8
1 Zin
2 OUT
3 -Vs
4 NC
5 NC
6 NC
7 +Xin

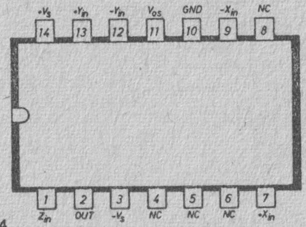
LM1


Yo 10
Yin 1
+Vs 2
Zin 3
OUT 4
5 -Vs
6 Xin
7 Xo
8 GND
9 Zo

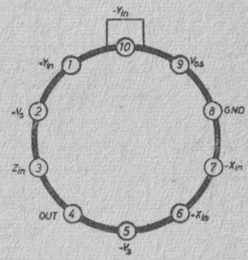
LM2


+Vs 14
Yin 13
Yo 12
Vos 11
GND 10
Xo 9
-Xin 8
1 SENSE
2 OUT
3 -Vs
4 REF
5 C
6 B
7 +Xin

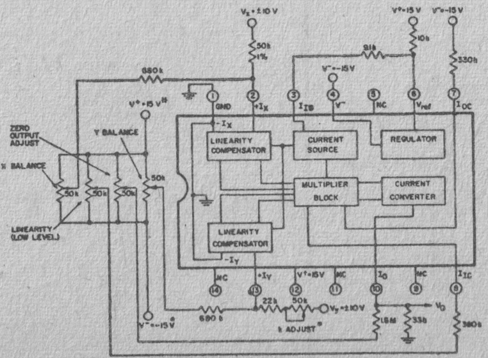
LM3


+Vs 14
+Yin 13
-Yin 12
Vos 11
GND 10
-Xin 9
NC 8
1 Zin
2 OUT
3 -Vs
4 NC
5 NC
6 NC
7 +Xin

LM4


-Yin 10
+Yin 1
+Vs 2
Zin 3
OUT 4
5 -Vs
6 +Xin
7 -Xin
8 GND
9 Vos

LM5


Vx = ±10 V
50k 1%
680k
91k
10k
V+ = 15 V
V− = −15 V
330k
V− = −15V
1 GND
2 +Ix
3 IIB
4 V−
5 NC
6 Vref
7 IOC
V+ = 15 V
ZERO OUTPUT ADJUST
Y BALANCE
X BALANCE
50k
LINEARITY (LOW LEVEL)
−Ix
LINEARITY COMPENSATOR
CURRENT SOURCE
REGULATOR
MULTIPLIER BLOCK
CURRENT CONVERTER
LINEARITY COMPENSATOR
−Iy
14 NC
13 +Iy
12 V+ = 15V
11 NC
10 IO
9 NC
8 IIC
V− = −15 V
680 k
22k
50k
k ADJUST
Vy = ±10V
VO
15M
33k
390k

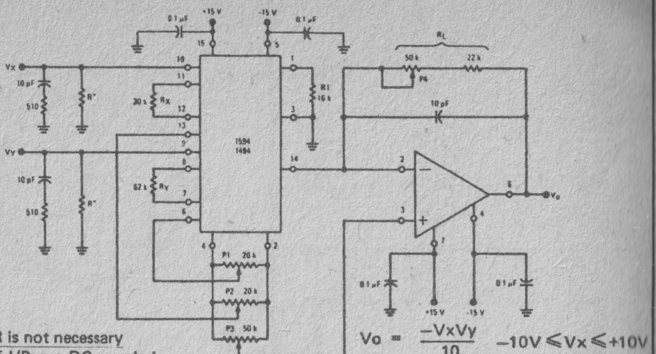
● FROM 15-VOLT REGULATED SUPPLY

● FROM −15-VOLT REGULATED SUPPLY

● ● k ADJUST IS PERFORMED BY VARYING THIS RESISTOR

RESISTANCE VALUES ARE IN OHMS

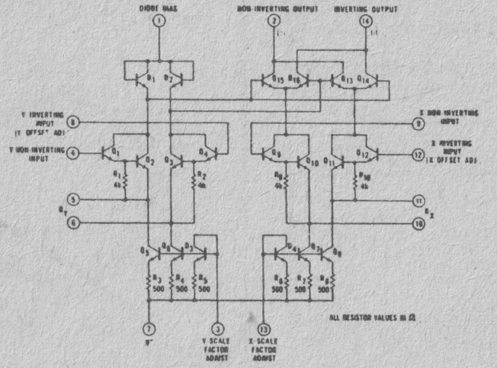
LM6


0.1 µF
+15 V
-15 V
0.1 µF
RL
50 k
22 k
P4
Vx
10 pF
510
R*
30 k
Rx
Vy
10 pF
510
R*
62 k
RY
1594
1494
R1
16 k
10 pF
P1 20 k
P2 20 k
P3 50 k
0.1 µF
+15 V
-15 V
0.1 µF
Vo

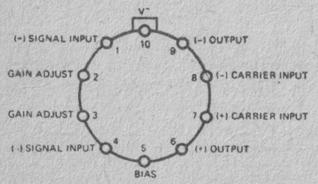
* R is not necessary if I/Ps are DC coupled

$$V_o = \frac{-V_xV_y}{10} \qquad -10V \leqslant V_x \leqslant +10V$$
$$-10V \leqslant V_y \leqslant +10V$$

LM7

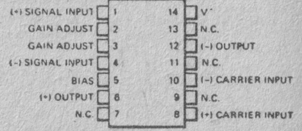

DIODE BIAS
NON-INVERTING OUTPUT
INVERTING OUTPUT
Y INVERTING INPUT (Y OFFSET ADJ)
Y NON-INVERTING INPUT
X NON-INVERTING INPUT
X INVERTING INPUT (X OFFSET ADJ)
RY
RX
V-
Y SCALE FACTOR ADJUST
X SCALE FACTOR ADJUST
ALL RESISTOR VALUES IN Ω

LM8

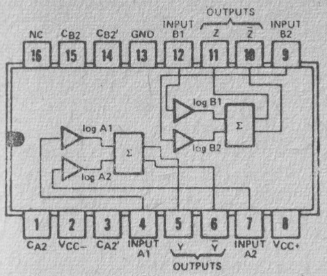

V-
(+) SIGNAL INPUT
(-) OUTPUT
GAIN ADJUST
(-) CARRIER INPUT
GAIN ADJUST
(+) CARRIER INPUT
(-) SIGNAL INPUT
(+) OUTPUT
BIAS

Pin 10 electrically connected to case through substrate.

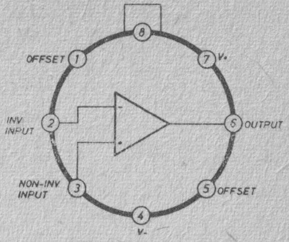
LM9


(+) SIGNAL INPUT 1
GAIN ADJUST 2
GAIN ADJUST 3
(-) SIGNAL INPUT 4
BIAS 5
(+) OUTPUT 6
N.C. 7
14 V-
13 N.C.
12 (-) OUTPUT
11 N.C.
10 (-) CARRIER INPUT
9 N.C.
8 (+) CARRIER INPUT

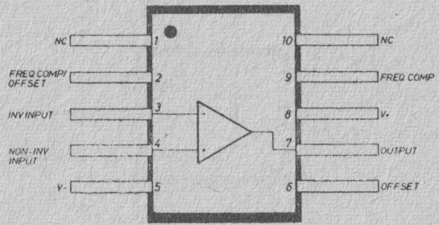
LM10


NC
CB2
CB2'
GND
INPUT B1
OUTPUTS
Z
Z̄
INPUT B2
log A1
log A2
log B1
log B2
Σ
CA2
VCC-
CA2'
INPUT A1
Y
Ȳ
OUTPUTS
INPUT A2
VCC+

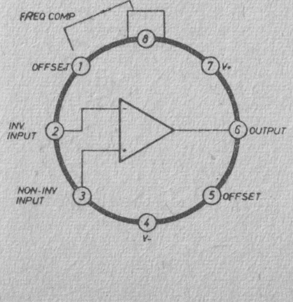
LN1


OFFSET
V+
INV INPUT
OUTPUT
NON-INV INPUT
OFFSET
V-

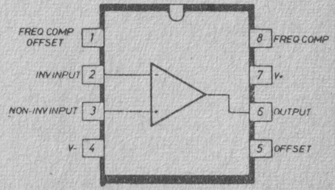
LO1


NC
FREQ COMP/ OFFSET
INV INPUT
NON-INV INPUT
V-
NC
FREQ COMP
V+
OUTPUT
OFFSET

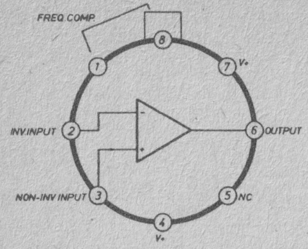
LO2


FREQ COMP
OFFSET
V+
INV INPUT
OUTPUT
NON-INV INPUT
OFFSET
V-

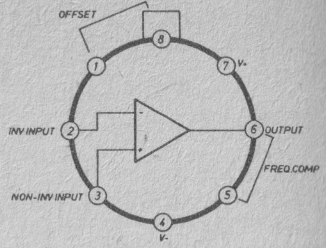
LO3


FREQ COMP OFFSET
INV INPUT
NON-INV INPUT
V-
FREQ COMP
V+
OUTPUT
OFFSET

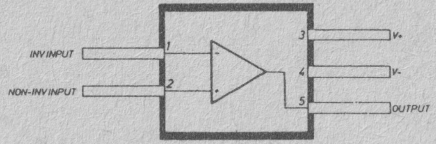
LO4


FREQ.COMP.
8
1
7 V+
INV.INPUT 2
6 OUTPUT
NON-INV.INPUT 3
5 NC
4
V+

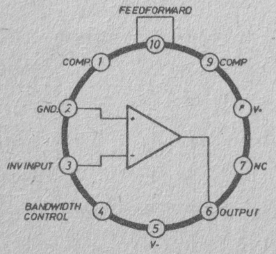
LO5


OFFSET
8
1
7 V+
INV.INPUT 2
6 OUTPUT
FREQ.COMP
NON-INV.INPUT 3
5
4
V-

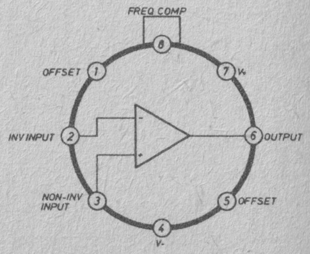
LO7


INV.INPUT
1
NON-INV.INPUT
2
3 V+
4 V-
5 OUTPUT

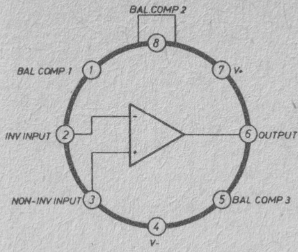
LO6


FEEDFORWARD
10
COMP 1
9 COMP
GND. 2
8 V+
INV.INPUT 3
7 NC
BANDWIDTH CONTROL 4
6 OUTPUT
5
V-

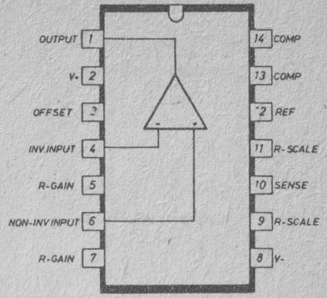
LO8


FREQ.COMP
8
OFFSET 1
7 V+
INV.INPUT 2
6 OUTPUT
NON-INV INPUT 3
5 OFFSET
4
V-

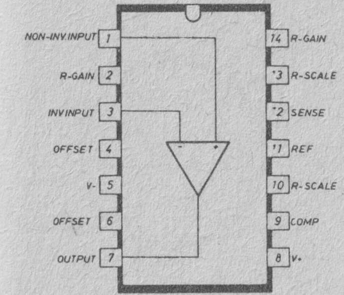
LO9


BAL.COMP 2
8
BAL COMP 1 1
7 V+
INV.INPUT 2
6 OUTPUT
NON-INV.INPUT 3
5 BAL COMP 3
4
V-

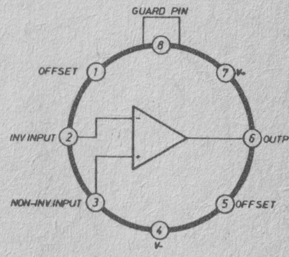
LO10


OUTPUT 1
V+ 2
OFFSET 3
INV.INPUT 4
R-GAIN 5
NON-INV.INPUT 6
R-GAIN 7
14 COMP
13 COMP
*2 REF
11 R-SCALE
10 SENSE
9 R-SCALE
8 V-

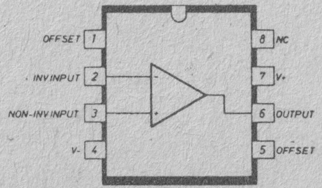
LO11


NON-INV.INPUT 1
R-GAIN 2
INV.INPUT 3
OFFSET 4
V- 5
OFFSET 6
OUTPUT 7
14 R-GAIN
*3 R-SCALE
*2 SENSE
*1 REF
10 R-SCALE
9 COMP
8 V+

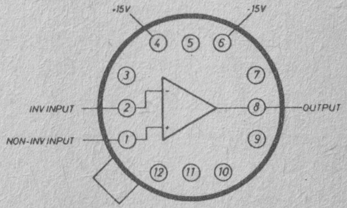
LO12


GUARD PIN
8
OFFSET 1
7 V+
INV.INPUT 2
6 OUTPUT
NON-INV.INPUT 3
5 OFFSET
4
V-

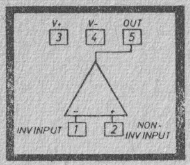
LO13


OFFSET 1
INV.INPUT 2
NON-INV.INPUT 3
V- 4
8 NC
7 V+
6 OUTPUT
5 OFFSET

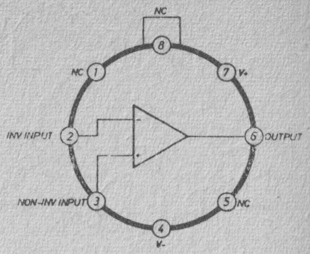
LO14


+15V
-15V
4
5
6
3
7
INV.INPUT 2
8 OUTPUT
NON-INV.INPUT 1
9
12
11
10

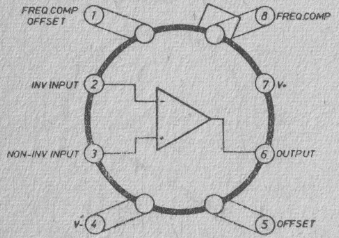
LO15


V+
3
V-
4
OUT
5
INV INPUT
1
2
NON-INV INPUT

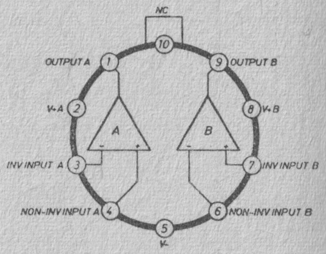
LO16


NC
8
NC 1
7 V+
INV INPUT 2
6 OUTPUT
NON-INV INPUT 3
5 NC
4
V-

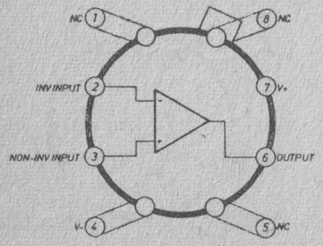
LO17


FREQ.COMP OFFSET 1
8 FREQ.COMP
INV INPUT 2
7 V+
NON-INV INPUT 3
6 OUTPUT
V- 4
5 OFFSET

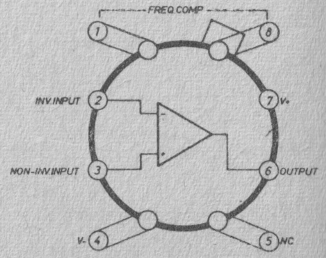
LO18


NC
10
OUTPUT A 1
9 OUTPUT B
V+A 2
8 V+B
A
B
INV INPUT A 3
7 INV INPUT B
NON-INV INPUT A 4
6 NON-INV INPUT B
5
V-

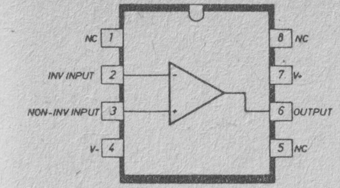
LO19


NC 1
8 NC
INV INPUT 2
7 V+
NON-INV INPUT 3
6 OUTPUT
V- 4
5 NC

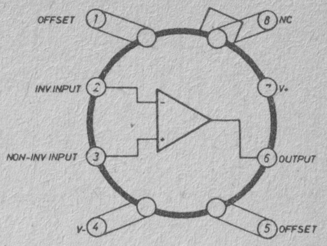
LO20


FREQ.COMP
1
8
INV.INPUT 2
7 V+
NON-INV.INPUT 3
6 OUTPUT
V- 4
5 NC

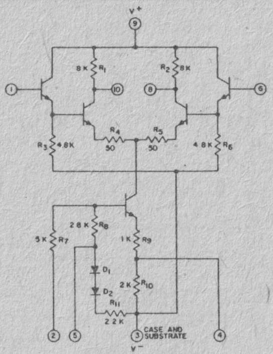
LO21


NC 1
INV INPUT 2
NON-INV INPUT 3
V- 4
8 NC
7 V+
6 OUTPUT
5 NC

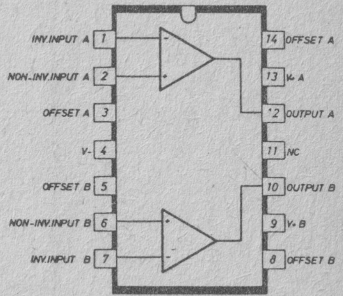
LO22


OFFSET 1
8 NC
INV.INPUT 2
7 V+
NON-INV INPUT 3
6 OUTPUT
V- 4
5 OFFSET

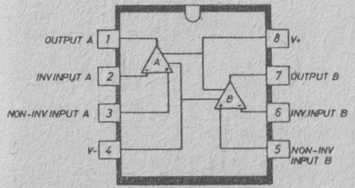
LO23


V+
9
8 K
R1
R2
8K
1
10
8
6
R4
R5
R3
4.8K
50
50
4.8K
R6
2.8 K
R8
5K
R7
1K
R9
D1
D2
2K
R10
R11
2.2 K
2
5
3
CASE AND SUBSTRATE
4
V−

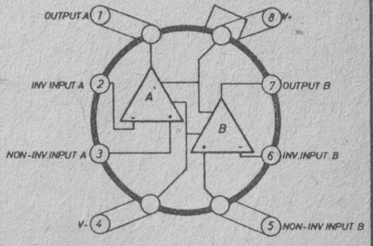
LO24 Resistance values are in ohms.


INV.INPUT A 1
NON-INV.INPUT A 2
OFFSET A 3
V- 4
OFFSET B 5
NON-INV.INPUT B 6
INV.INPUT B 7
14 OFFSET A
13 V+ A
12 OUTPUT A
11 NC
10 OUTPUT B
9 V+ B
8 OFFSET B

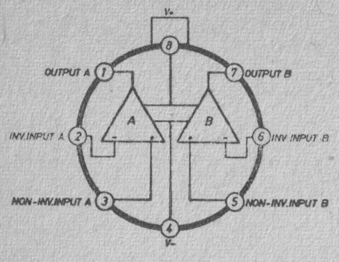
LO25


OUTPUT A 1
INV.INPUT A 2
NON-INV.INPUT A 3
V- 4
A
B
8 V+
7 OUTPUT B
6 INV.INPUT B
5 NON-INV INPUT B

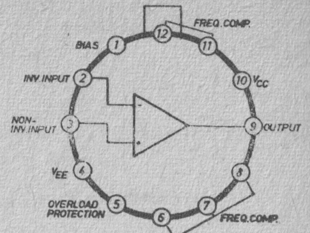
LO26


OUTPUT A 1
8 V+
INV INPUT A 2
7 OUTPUT B
A
B
NON-INV.INPUT A 3
6 INV.INPUT B
V- 4
5 NON-INV INPUT B

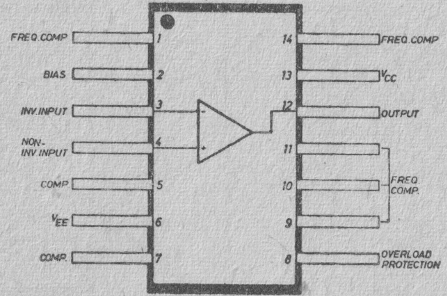
LO27


V+
OUTPUT A
OUTPUT B
INV.INPUT A
INV.INPUT B
NON-INV.INPUT A
NON-INV.INPUT B
A
B
V-
1
2
3
4
5
6
7
8

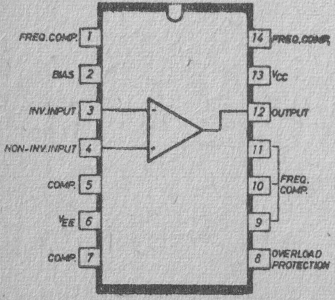
LO28


FREQ.COMP.
BIAS
INV.INPUT
NON-INV.INPUT
VCC
OUTPUT
VEE
OVERLOAD PROTECTION
FREQ.COMP.
1
2
3
4
5
6
7
8
9
10
11
12

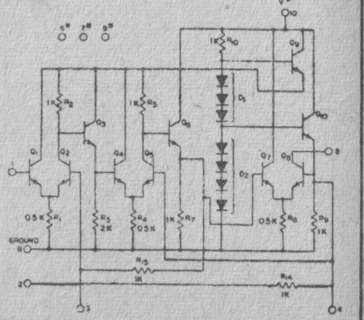
LO30


FREQ.COMP
BIAS
INV.INPUT
NON-INV.INPUT
COMP
VEE
COMP.
FREQ.COMP
VCC
OUTPUT
FREQ COMP.
OVERLOAD PROTECTION
1
2
3
4
5
6
7
8
9
10
11
12
13
14

LO29

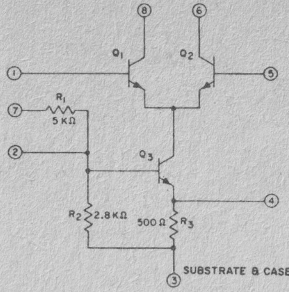

FREQ.COMP.
BIAS
INV.INPUT
NON-INV.INPUT
COMP.
VEE
COMP.
FREQ.COMP.
VCC
OUTPUT
FREQ. COMP.
OVERLOAD PROTECTION
1
2
3
4
5
6
7
8
9
10
11
12
13
14

LO31

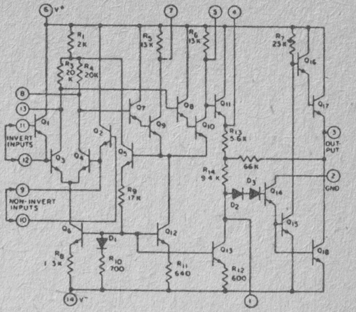

5*
7*
9*
V+
10
1K R10
Q9
Q10
1K R2
1K R5
Q3
Q6
D1
D2
Q1
Q2
Q4
Q5
Q7
Q8
0.5K R1
R3 2K
R4 0.5K
1K R7
0.5K R8
R9 1K
GROUND
R15 1K
R14 1K
1
2
3
4
6
8

LO32

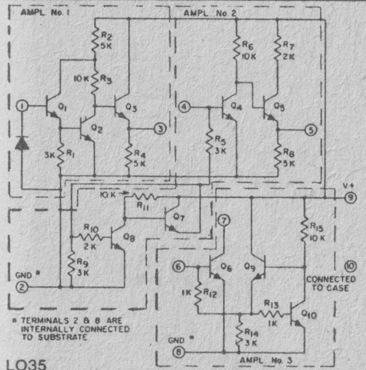
RESISTANCE VALUES ARE IN OHMS
*INTERNAL CONNECTION —
DO NOT USE


8
6
Q1
Q2
1
5
7
R1
5 KΩ
2
Q3
4
R2 2.8 KΩ
500 Ω R3
SUBSTRATE & CASE
3

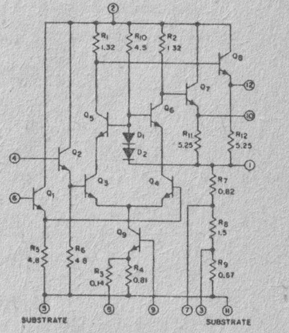
LO33


V+
R1 2K
R3 20K
R4 20K
R5 15K
R6 15K
R7 23K
INVERT INPUTS
NON-INVERT INPUTS
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
Q17
Q18
R13 5.6K
66K
R14 9.4K
D1
D2
D3
R8 1.5K
R9 17K
R10 700
R11 640
R12 600
OUTPUT
GND
V-

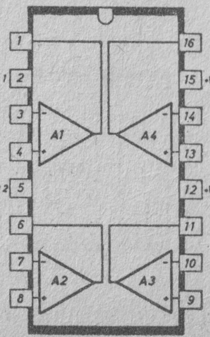
LO34


AMPL. No. 1
AMPL. No. 2
AMPL. No. 3
R2 5K
10K R3
3K R1
R4 5K
R6 10K
R7 2K
R5 3K
R8 5K
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
10K R11
V+
R10 2K
R9 3K
R15 10K
1K R12
R13 1K
R14 3K
GND *
CONNECTED TO CASE
* TERMINALS 2 & 8 ARE INTERNALLY CONNECTED TO SUBSTRATE

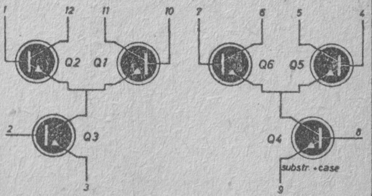
LO35


2
R1 1.32
R10 4.5
R2 1.32
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
D1
D2
R11 5.25
R12 5.25
R7 0.82
R8 1.5
R9 0.67
R5 4.8
R6 4.8
R3 0.14
R4 0.81
SUBSTRATE
SUBSTRATE
ALL RESISTANCE VALUES IN KΩ'S.

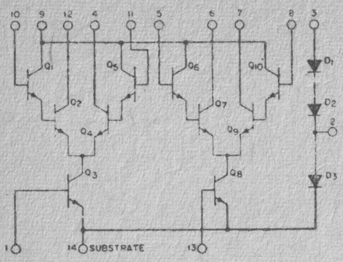
LO36


GND 1
GND 2
+VCC1
+VCC2
A1
A2
A3
A4
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

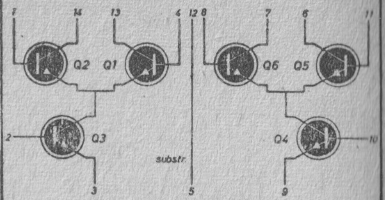
LO37


1
12
11
10
7
6
5
4
Q2
Q1
Q6
Q5
Q3
Q4
2
3
8
9
substr.+case

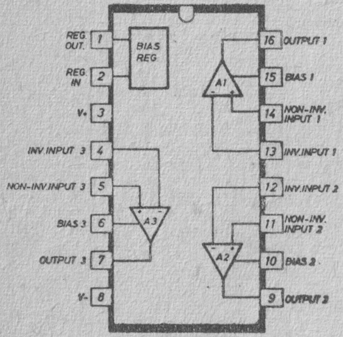
LO38


10
9
12
4
11
5
6
7
8
3
Q1
Q5
Q6
Q10
D1
Q2
D2
2
Q4
Q7
Q9
Q3
Q8
D3
1
14 SUBSTRATE
13

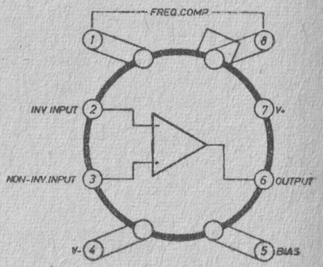
LO39


1
14
13
4
12
8
7
6
11
Q2
Q1
Q6
Q5
2
Q3
substr.
Q4
10
3
5
9

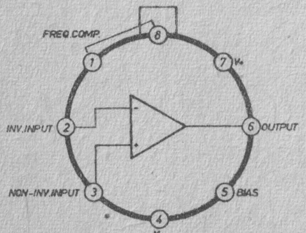
LO40


REG. OUT. 1
REG. IN 2
BIAS REG
V+ 3
INV.INPUT 3 4
NON-INV.INPUT 3 5
BIAS 3 6
OUTPUT 3 7
V- 8
A1
A3
A2
16 OUTPUT 1
15 BIAS 1
14 NON-INV. INPUT 1
13 INV.INPUT 1
12 INV.INPUT 2
11 NON-INV. INPUT 2
10 BIAS 2
9 OUTPUT 2

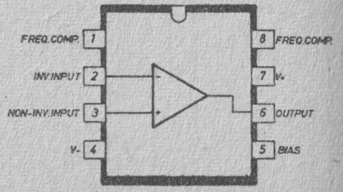
LO41


FREQ.COMP.
1
8
INV.INPUT 2
NON-INV.INPUT 3
7 V+
6 OUTPUT
V- 4
5 BIAS

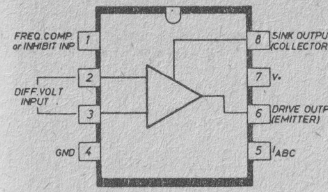
LO42


FREQ.COMP.
8
1
7 V+
INV.INPUT 2
6 OUTPUT
NON-INV.INPUT 3
5 BIAS
4
V-

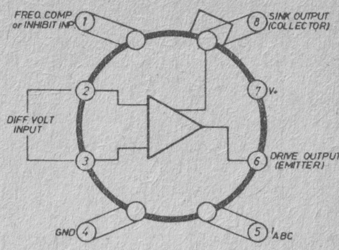
LO43


FREQ.COMP. 1
INV.INPUT 2
NON-INV.INPUT 3
V- 4
8 FREQ.COMP.
7 V+
6 OUTPUT
5 BIAS

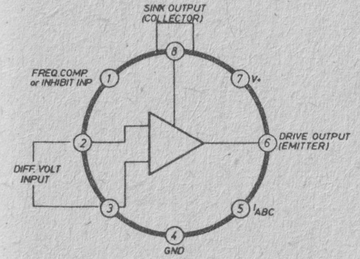
LO44


FREQ.COMP. or INHIBIT INP. 1
DIFF.VOLT INPUT 2
3
GND 4
8 SINK OUTPUT (COLLECTOR)
7 V+
6 DRIVE OUTPUT (EMITTER)
5 IABC

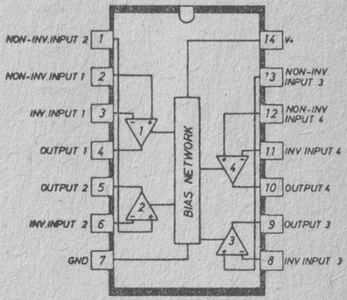
LO45


FREQ.COMP. or INHIBIT INP. 1
8 SINK OUTPUT (COLLECTOR)
DIFF.VOLT INPUT
2
3
7 V+
6 DRIVE OUTPUT (EMITTER)
GND 4
5 IABC

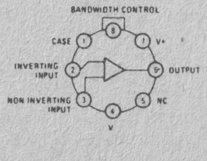
LO46


SINK OUTPUT (COLLECTOR)
8
FREQ.COMP. or INHIBIT INP. 1
7 V+
2
6 DRIVE OUTPUT (EMITTER)
DIFF. VOLT INPUT
3
5 IABC
4
GND

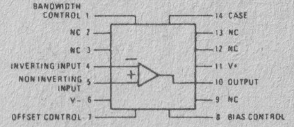
LO47


NON-INV.INPUT 2 1
NON-INV.INPUT 1 2
INV.INPUT 1 3
OUTPUT 1 4
OUTPUT 2 5
INV.INPUT 2 6
GND 7
BIAS NETWORK
1
2
3
4
14 V+
13 NON-INV INPUT 3
12 NON-INV INPUT 4
11 INV.INPUT 4
10 OUTPUT 4
9 OUTPUT 3
8 INV.INPUT 3

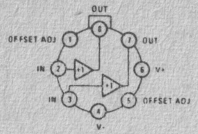
LO48


BANDWIDTH CONTROL
8
CASE 1
7 V+
INVERTING INPUT 2
6 OUTPUT
NON INVERTING INPUT 3
5 NC
4
V

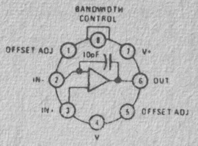
LO49


BANDWIDTH CONTROL 1
NC 2
NC 3
INVERTING INPUT 4
NON INVERTING INPUT 5
V- 6
OFFSET CONTROL 7
14 CASE
13 NC
12 NC
11 V+
10 OUTPUT
9 NC
8 BIAS CONTROL
−
+

LO50

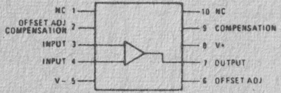

OUT
OFFSET ADJ 1
8
7 OUT
IN 2
+1
+1
6 V+
IN 3
5 OFFSET ADJ
4
V-

LO51


BANDWIDTH CONTROL
OFFSET ADJ 1
8
7 V+
10pF
IN- 2
6 OUT
IN+ 3
5 OFFSET ADJ
4
V

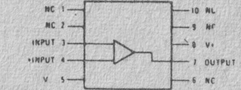
NOTE: V+ connected to case.

LO52


NC 1
OFFSET ADJ COMPENSATION 2
INPUT 3
INPUT 4
V- 5
10 NC
9 COMPENSATION
8 V+
7 OUTPUT
6 OFFSET ADJ

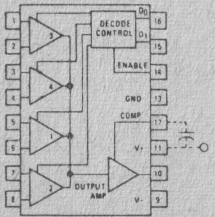
NOTE: V- connected to case.

LO53


NC 1
NC 2
INPUT 3
+INPUT 4
V 5
10 NL
9 NC
8 V+
7 OUTPUT
6 NC

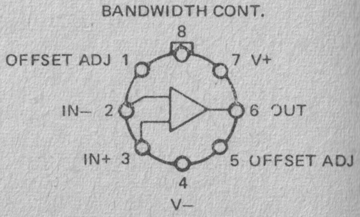
NOTE: V- connected tc case.

LO54

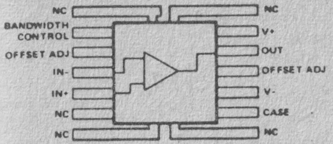

1
2
3
4
5
6
7
8
3
4
1
2
DECODE CONTROL
D0
D1
16
15
ENABLE
14
GND
13
COMP
12
V+
11
OUTPUT AMP
10
V-
9

NOTE V- connected to case

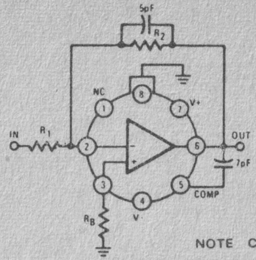
LO55


BANDWIDTH CONT.
8
OFFSET ADJ 1
7 V+
IN– 2
6 OUT
IN+ 3
5 OFFSET ADJ
4
V–

LO56

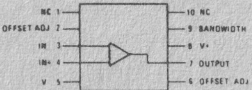

NC
BANDWIDTH CONTROL
OFFSET ADJ
IN-
IN+
NC
NC
NC
V+
OUT
OFFSET ADJ
V-
CASE
NC

LO57


5pF
R2
NC
1
8
7
V+
IN
R1
2
6
OUT
7pF
3
4
5
COMP
RB
V

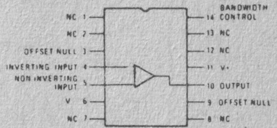
NOTE Case tied to V-

LO58

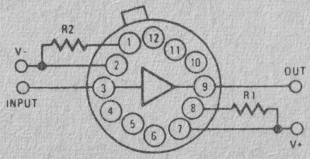

NC 1
OFFSET ADJ 2
IN 3
IN+ 4
V 5
10 NC
9 BANDWIDTH
8 V+
7 OUTPUT
6 OFFSET ADJ

NOTE V- connected to case.

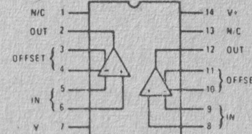
LO59


NC 1
NC 2
OFFSET NULL 3
INVERTING INPUT 4
NON INVERTING INPUT 5
V 6
NC 7
14 BANDWIDTH CONTROL
13 NC
12 NC
11 V+
10 OUTPUT
9 OFFSET NULL
8 NC

LO60

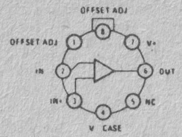

R2
V-
INPUT
1
2
3
4
5
6
7
8
9
10
11
12
R1
OUT
V+

LO61


N/C 1
OUT 2
OFFSET 3 4
IN 5 6
V 7
14 V+
13 N/C
12 OUT
11 10 OFFSET
9 8 IN

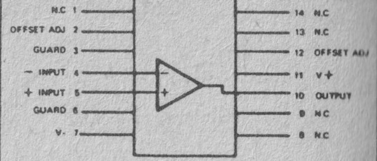
NOTE:– BOTTOM OF PACKAGE IS CONNECTED TO V–

LO62

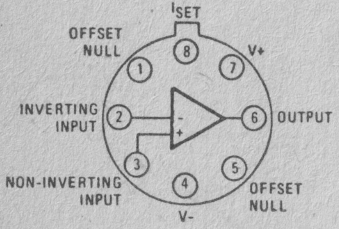

OFFSET ADJ
OFFSET ADJ
V+
IN
OUT
IN+
NC
V CASE
1
2
3
4
5
6
7
8

NOTE: V- connected to case.

LO63

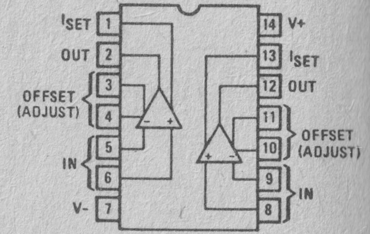

N.C 1
OFFSET ADJ 2
GUARD 3
— INPUT 4
+ INPUT 5
GUARD 6
V- 7
14 N.C
13 N.C
12 OFFSET ADJ
11 V+
10 OUTPUT
9 N.C
8 N.C

LO64


ISET
OFFSET NULL
V+
INVERTING INPUT
OUTPUT
NON-INVERTING INPUT
OFFSET NULL
V-
1
2
3
4
5
6
7
8

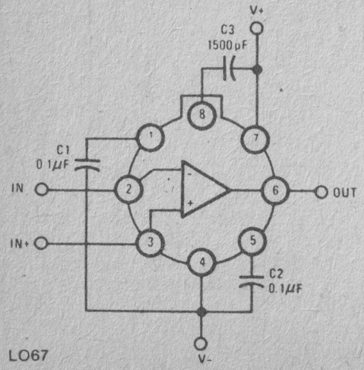
NOTE: Case tied to V⁻

LO65

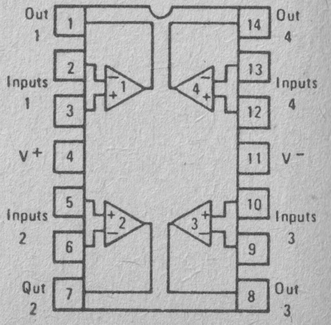

ISET 1
OUT 2
OFFSET (ADJUST) 3
4
IN 5
6
V- 7
14 V+
13 ISET
12 OUT
11
10 OFFSET (ADJUST)
9
8 IN

NOTE: Bottom of package is connected to V–.

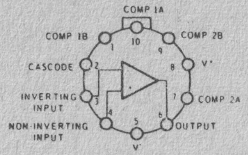
LO66


V+
C3
1500 pF
C1
0.1μF
IN
IN+
OUT
C2
0.1μF
V-
1
2
3
4
5
6
7
8

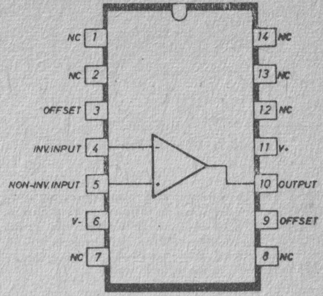
LO67


Out 1
Inputs 1
V+
Inputs 2
Out 2
Out 4
Inputs 4
V −
Inputs 3
Out 3
1
2
3
4
5
6
7
8
9
10
11
12
13
14

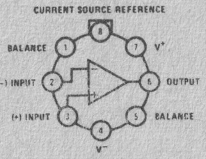
LO68


COMP 1A
COMP 1B
COMP 2B
CASCODE
V⁺
INVERTING INPUT
COMP 2A
NON-INVERTING INPUT
OUTPUT
V⁻
1
2
3
4
5
6
7
8
9
10

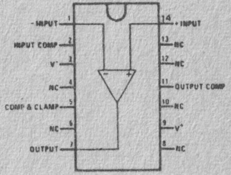
LO69


NC 1
NC 2
OFFSET 3
INV.INPUT 4
NON-INV.INPUT 5
V- 6
NC 7
14 NC
13 NC
12 NC
11 V+
10 OUTPUT
9 OFFSET
8 NC

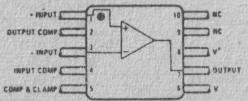
LO70


CURRENT SOURCE REFERENCE
BALANCE
V⁺
(–) INPUT
OUTPUT
(+) INPUT
BALANCE
V⁻
1
2
3
4
5
6
7
8

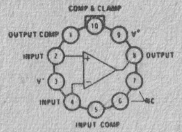
LO71


- INPUT 1
INPUT COMP 2
V⁻ 3
NC 4
COMP & CLAMP 5
NC 6
OUTPUT 7
14 + INPUT
13 NC
12 NC
11 OUTPUT COMP
10 NC
9 V⁺
8 NC

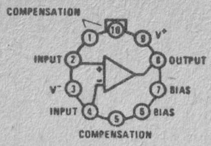
LO72


+ INPUT 1
OUTPUT COMP 2
- INPUT 3
INPUT COMP 4
COMP & CLAMP 5
10 NC
9 NC
8 V⁺
7 OUTPUT
6 V

LO73

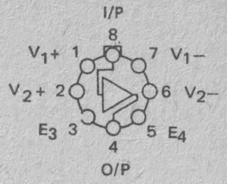

COMP & CLAMP
OUTPUT COMP
V⁺
INPUT
OUTPUT
V⁻
INPUT
NC
INPUT COMP
1
2
3
4
5
6
7
8
9
10

LO74

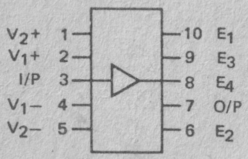

COMPENSATION
10
V+
1
INPUT 2
8 OUTPUT
V− 3
7 BIAS
INPUT 4
6 BIAS
5
COMPENSATION

Note: Pin 7 must be grounded or connected to a voltage at least 5 volts more negative than the positive supply (Pin 9). Pin 7 may be connected to the negative supply, however the standby current will be increased. A resistor may be inserted in series with Pin 7 up to a maximum of 100 kΩ per volt between Pin 3 and Pin 9.

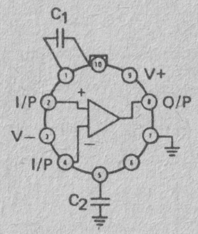
LO75


I/P
8
V1+ 1
7 V1−
V2+ 2
6 V2−
E3 3
5 E4
4
O/P

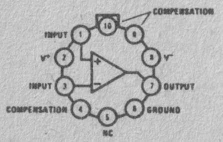
LO76


V2+ 1
V1+ 2
I/P 3
V1− 4
V2− 5
10 E1
9 E3
8 E4
7 O/P
6 E2

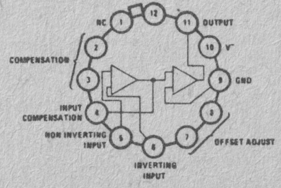
LO77


C1
V+
I/P
O/P
V−
I/P
C2

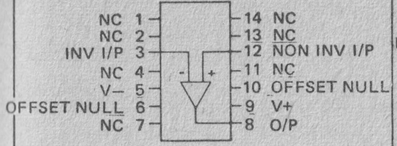
LO78


COMPENSATION
INPUT 1
10
9
V+ 2
8 V−
INPUT 3
7 OUTPUT
COMPENSATION 4
6 GROUND
5
NC

LO79

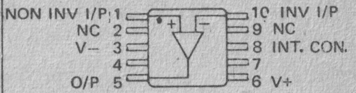

V+
NC 1
12
11 OUTPUT
2
10 V−
COMPENSATION
3
9 GND
INPUT COMPENSATION 4
8
NON INVERTING INPUT 5
7
OFFSET ADJUST
6
INVERTING INPUT

LO80

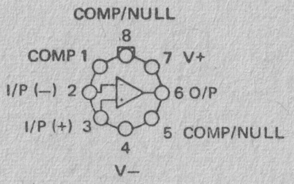

NC 1
NC 2
INV I/P 3
NC 4
V− 5
OFFSET NULL 6
NC 7
14 NC
13 NC
12 NON INV I/P
11 NC
10 OFFSET NULL
9 V+
8 O/P

LO81

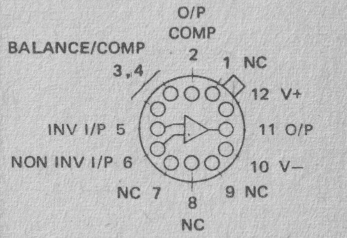
4 = OFFSET NULL
7 = OFFSET NULL


NON INV I/P 1
NC 2
V− 3
4
O/P 5
10 INV I/P
9 NC
8 INT. CON.
7
6 V+

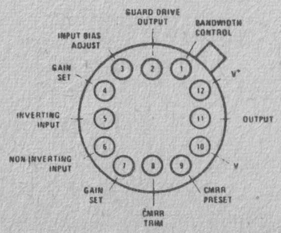
LO82


COMP/NULL
8
COMP 1
7 V+
I/P (−) 2
6 O/P
I/P (+) 3
5 COMP/NULL
4
V−

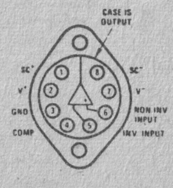
LO83


O/P
COMP
2
BALANCE/COMP
3, 4
1 NC
12 V+
INV I/P 5
11 O/P
NON INV I/P 6
10 V−
NC 7
9 NC
8
NC

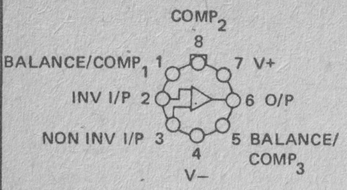
LO84


GUARD DRIVE OUTPUT
BANDWIDTH CONTROL
INPUT BIAS ADJUST
GAIN SET
V+
INVERTING INPUT
OUTPUT
NON INVERTING INPUT
V−
GAIN SET
CMRR TRIM
CMRR PRESET
1
2
3
4
5
6
7
8
9
10
11
12

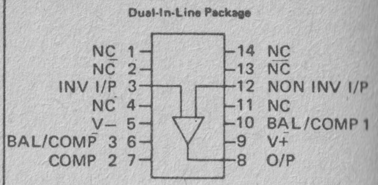
LO85


CASE IS OUTPUT
SC+
SC−
V+
V−
GND
NON INV INPUT
COMP
INV INPUT
1
2
3
4
5
6
7
8

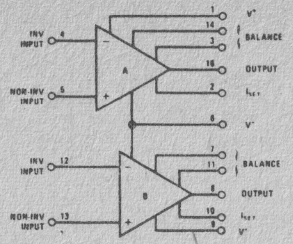
LO86


COMP2
8
BALANCE/COMP1 1
7 V+
INV I/P 2
6 O/P
NON INV I/P 3
5 BALANCE/COMP3
4
V−

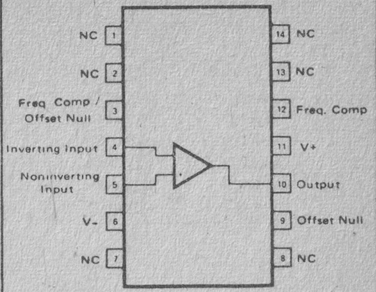
LO87


Dual-In-Line Package
NC 1
NC 2
INV I/P 3
NC 4
V− 5
BAL/COMP 3 6
COMP 2 7
14 NC
13 NC
12 NON INV I/P
11 NC
10 BAL/COMP 1
9 V+
8 O/P

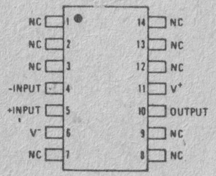
LO88


INV INPUT 4
NON-INV INPUT 5
A
1 V+
14 BALANCE
3
16 OUTPUT
2 ISET
6 V−
INV INPUT 12
NON-INV INPUT 13
B
7 BALANCE
11
8 OUTPUT
10 ISET
9 V+

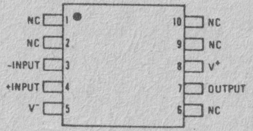
LO93


NC 1
NC 2
Freq Comp / Offset Null 3
Inverting Input 4
Noninverting Input 5
V- 6
NC 7
14 NC
13 NC
12 Freq. Comp
11 V+
10 Output
9 Offset Null
8 NC

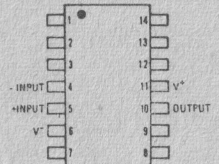
LO94


NC 1
NC 2
NC 3
-INPUT 4
+INPUT 5
V− 6
NC 7
14 NC
13 NC
12 NC
11 V+
10 OUTPUT
9 NC
8 NC

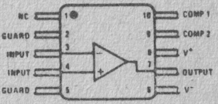
LO89


NC 1
NC 2
-INPUT 3
+INPUT 4
V− 5
10 NC
9 NC
8 V+
7 OUTPUT
6 NC

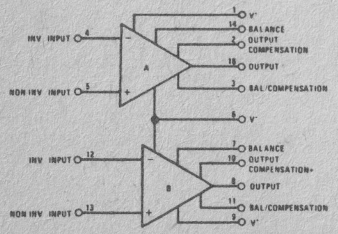
LO90


1
2
3
- INPUT 4
+INPUT 5
V− 6
7
14
13
12
11 V+
10 OUTPUT
9
8

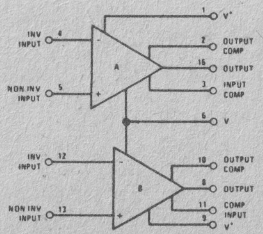
LO95


NC 1
** GUARD 2
INPUT 3
INPUT 4
** GUARD 5
10 COMP 1
9 COMP 2
8 V+
7 OUTPUT
6 V−

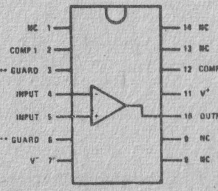
LO96


INV INPUT 4
NON INV INPUT 5
A
1 V+
14 BALANCE
2 OUTPUT COMPENSATION
16 OUTPUT
3 BAL/COMPENSATION
6 V−
INV INPUT 12
NON INV INPUT 13
B
7 BALANCE
10 OUTPUT COMPENSATION+
8 OUTPUT
11 BAL/COMPENSATION
9 V+

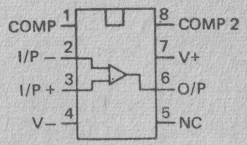
LO91


INV INPUT 4
NON INV INPUT 5
A
1 V+
2 OUTPUT COMP
16 OUTPUT
3 INPUT COMP
6 V
INV INPUT 12
NON INV INPUT 13
B
10 OUTPUT COMP
8 OUTPUT
11 COMP INPUT
9 V+

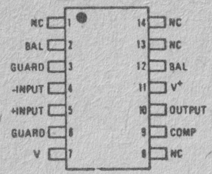
LO92


NC 1
COMP 1 2
** GUARD 3
INPUT 4
INPUT 5
** GUARD 6
V− 7
14 NC
13 NC
12 COMP 2
11 V+
10 OUTPUT
9 NC
8 NC

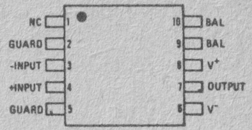
LO97


COMP 1
I/P − 2
I/P + 3
V− 4
8 COMP 2
7 V+
6 O/P
5 NC

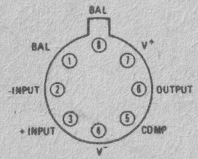
LO98


NC 1
BAL 2
GUARD 3
-INPUT 4
+INPUT 5
GUARD 6
V 7
14 NC
13 NC
12 BAL
11 V+
10 OUTPUT
9 COMP
8 NC

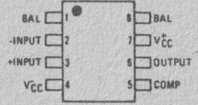
LO99


NC 1
GUARD 2
-INPUT 3
+INPUT 4
GUARD 5
10 BAL
9 BAL
8 V+
7 OUTPUT
6 V-

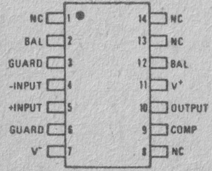
LO100


BAL
BAL
V+
-INPUT
OUTPUT
+ INPUT
COMP
V-
1
2
3
4
5
6
7
8

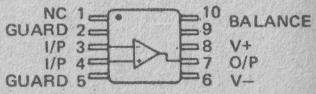
LO101


BAL 1
-INPUT 2
+INPUT 3
V-CC 4
8 BAL
7 V+CC
6 OUTPUT
5 COMP

LO102

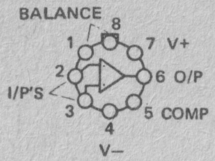

NC 1
BAL 2
GUARD 3
-INPUT 4
+INPUT 5
GUARD 6
V- 7
14 NC
13 NC
12 BAL
11 V+
10 OUTPUT
9 COMP
8 NC

LO103


NC 1
GUARD 2
I/P 3
I/P 4
GUARD 5
10
9 BALANCE
8 V+
7 O/P
6 V–

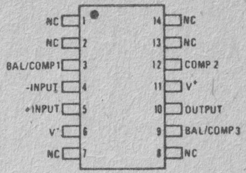
Note: Pin 6 connected to bottom of package
Compensation terminal not brought out on flat package.

LO104

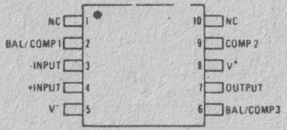

BALANCE
8
1
7 V+
2
6 O/P
I/P'S
3
5 COMP
4
V–

NOTE: PIN 4 CONNECTED TO CASE

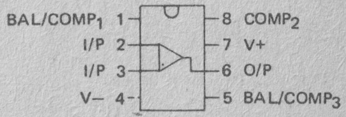
LO105


NC 1
NC 2
BAL/COMP1 3
-INPUT 4
+INPUT 5
V- 6
NC 7
14 NC
13 NC
12 COMP 2
11 V+
10 OUTPUT
9 BAL/COMP3
8 NC

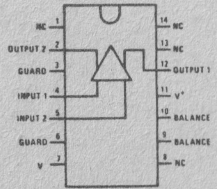
LO106


NC 1
BAL/COMP1 2
-INPUT 3
+INPUT 4
V- 5
10 NC
9 COMP 2
8 V+
7 OUTPUT
6 BAL/COMP3

LO107

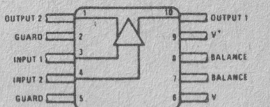

BAL/COMP1 1
I/P 2
I/P 3
V– 4
8 COMP2
7 V+
6 O/P
5 BAL/COMP3

LO108

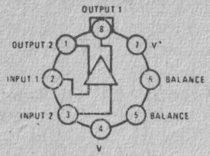

NC 1
OUTPUT 2 2
GUARD 3
INPUT 1 4
INPUT 2 5
GUARD 6
V 7
14 NC
13 NC
12 OUTPUT 1
11 V+
10 BALANCE
9 BALANCE
8 NC

NOTE: Pin 7 connected to bottom of package

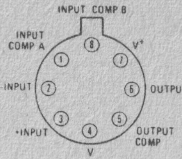
LO109


OUTPUT 2 1
GUARD 2
INPUT 1 3
INPUT 2 4
GUARD 5
10 OUTPUT 1
9 V+
8 BALANCE
7 BALANCE
6 V

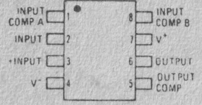
LO110


OUTPUT 1
8
OUTPUT 2 1
7 V^+
INPUT 1 2
6 BALANCE
INPUT 2 3
5 BALANCE
4
V

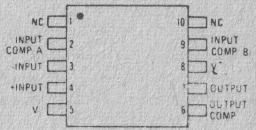
LO111


INPUT COMP B
INPUT COMP A
8
V^+
1
7
-INPUT 2
6 OUTPUT
+INPUT 3
4
5 OUTPUT COMP
V

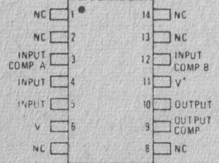
LO112


INPUT COMP A 1
8 INPUT COMP B
INPUT 2
7 V^+
+INPUT 3
6 OUTPUT
V^- 4
5 OUTPUT COMP

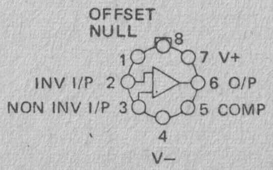
LO113


NC 1
10 NC
INPUT COMP A 2
9 INPUT COMP B
-INPUT 3
8 V^+
+INPUT 4
7 OUTPUT
V 5
6 OUTPUT COMP

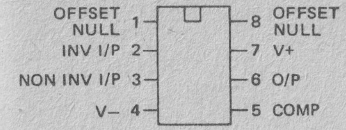
LO114


NC 1
14 NC
NC 2
13 NC
INPUT COMP A 3
12 INPUT COMP B
INPUT 4
11 V^+
INPUT 5
10 OUTPUT
V 6
9 OUTPUT COMP
NC
8 NC

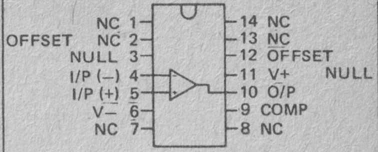
LO115


OFFSET NULL
8
1
7 V+
INV I/P 2
6 O/P
NON INV I/P 3
5 COMP
4
V–

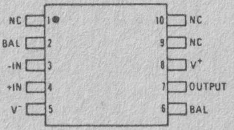
LO116


OFFSET NULL 1
8 OFFSET NULL
INV I/P 2
7 V+
NON INV I/P 3
6 O/P
V– 4
5 COMP

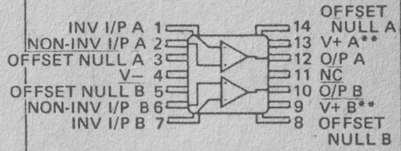
LO117


NC 1
14 NC
OFFSET NC 2
13 NC
NULL 3
12 OFFSET NULL
I/P (–) 4
11 V+
I/P (+) 5
10 O/P
V– 6
9 COMP
NC 7
8 NC

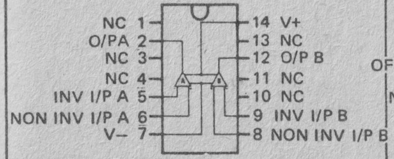
LO118


NC 1
10 NC
BAL 2
9 NC
-IN 3
8 V^+
+IN 4
7 OUTPUT
V^- 5
6 BAL

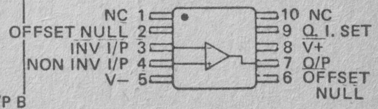
LO119


INV I/P A 1
14 OFFSET NULL A
NON-INV I/P A 2
13 V+ A**
OFFSET NULL A 3
12 O/P A
V– 4
11 NC
OFFSET NULL B 5
10 O/P B
NON-INV I/P B 6
9 V+ B**
INV I/P B 7
8 OFFSET NULL B

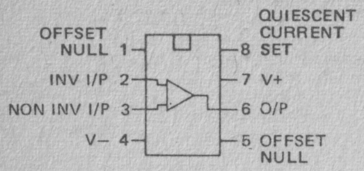
LO120


NC 1
14 V+
O/PA 2
13 NC
NC 3
12 O/P B
NC 4
11 NC
INV I/P A 5
10 NC
NON INV I/P A 6
9 INV I/P B
V– 7
8 NON INV I/P B

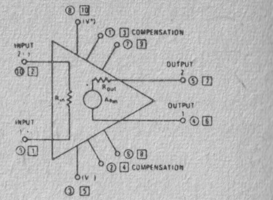
LO121


NC 1
10 NC
OFFSET NULL 2
9 Q. I. SET
INV I/P 3
8 V+
NON INV I/P 4
7 O/P
V– 5
6 OFFSET NULL

LO122

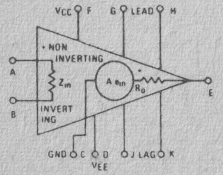

OFFSET NULL 1
INV I/P 2
NON INV I/P 3
V− 4
QUIESCENT CURRENT 8 SET
7 V+
6 O/P
5 OFFSET NULL

LO123


INPUT
OUTPUT
COMPENSATION
R_{in}
R_{out}
$A e_{in}$

○ Contains pin number for metal can package
☐ Contains pin number for flat package

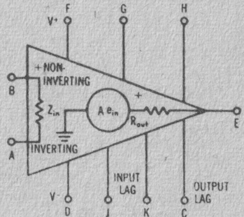
LO124


VCC F
G
LEAD H
+ NON INVERTING
Z_{in}
$A e_{in}$
R_0
A
B
E
INVERT ING
GND C
D
VEE
J LAG K

PIN CONNECTIONS

Schematic	A	B	C	D	E	F	G	H	J	K
"F" & "G" Pkgs	1	2	3	4	5	6	7	8	9	10
"P" Package	4	6	8	7	11	12	13	14	1	2

LO125


V+
F
G
H
+ NON-INVERTING
B
Z_{in}
$A e_{in}$
R_{out}
E
INVERTING
A
V−
D
INPUT LAG
J
K
OUTPUT LAG
C

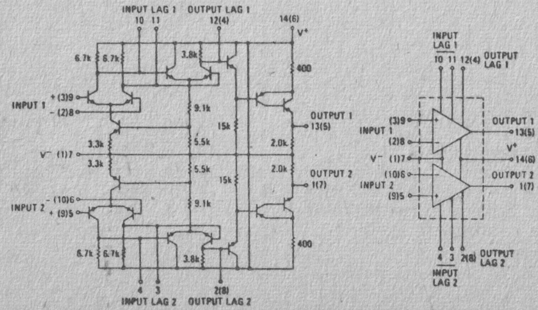
PIN CONNECTIONS

Schematic	A	B	C	D	E	F	G	H	J	K
G Package	1	2	3	4	5	6	7	8	9	10
'F' Package	10	1	2	3	4	5	6	7	8	9
L" & P" Packages	4	5	6	7	11	12	13	14	2	3

LO126

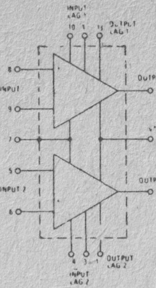
CIRCUIT SCHEMATIC

EQUIVALENT CIRCUIT

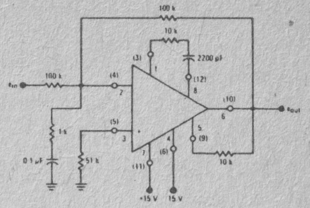

INPUT LAG 1
OUTPUT LAG 1
10
11
12(4)
14(6)
V+
6.7k
3.8k
400
INPUT 1
+ (3)9
− (2)8
9.1k
15k
OUTPUT 1
13(5)
3.3k
5.5k
2.0k
V− (1)7
OUTPUT 2
1(7)
INPUT 2
− (10)6
+ (9)5
4
3
2(8)
INPUT LAG 2
OUTPUT LAG 2
V− (1)7
V+
14(6)

LO127

Number at end of terminal is pin number for ceramic packages.
Number in parenthesis is pin number for metal package
Input Lag available only in ceramic packages.

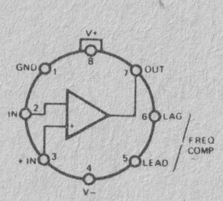

INPUT LAG 1
OUTPUT LAG 1
INPUT 1
OUTPUT 1
V−
V+
INPUT 2
OUTPUT 2
INPUT LAG 2
OUTPUT LAG 2

LO128

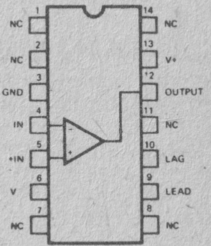

100 k
10 k
2200 pF
e_{in}
e_{out}
1 k
51 k
0.1 µF
+15 V
15 V

Pin numbers adjacent to terminals apply to 8-pin package, numbers in parenthesis apply to 14-pin packages.

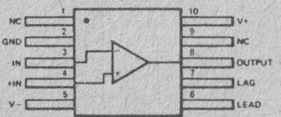
LO129


V+
8
GND 1
7 OUT
IN 2
6 LAG
+IN 3
5 LEAD
4
V−
FREQ COMP

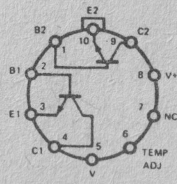
LO130


NC 1
NC 2
GND 3
IN 4
+IN 5
V 6
NC 7
14 NC
13 V+
12 OUTPUT
11 NC
10 LAG
9 LEAD
8 NC

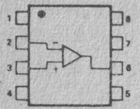
LO131


NC 1
GND 2
IN 3
+IN 4
V− 5
10 V+
9 NC
8 OUTPUT
7 LAG
6 LEAD

LO132

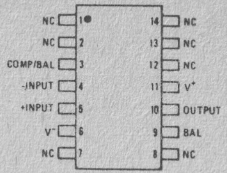

E2
B2
C2
10
9
1
2
B1
8 V+
3
E1
7 NC
4
C1
5
6
V
TEMP ADJ

LO133

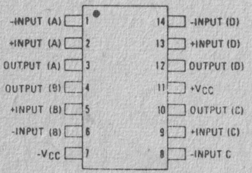


1. Offset Null
2. Inverting Input
3. Noninverting Input
4. V⁻
5. Offset Null
6. Output
7. V⁺
8. Freq. Comp

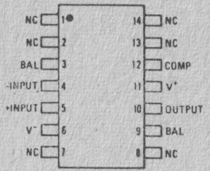
LO134


NC 1
NC 2
COMP/BAL 3
-INPUT 4
+INPUT 5
V⁻ 6
NC 7
14 NC
13 NC
12 NC
11 V⁺
10 OUTPUT
9 BAL
8 NC

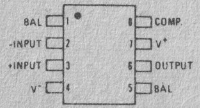
LO135


-INPUT (A) 1
+INPUT (A) 2
OUTPUT (A) 3
OUTPUT (B) 4
+INPUT (B) 5
-INPUT (B) 6
-VCC 7
14 -INPUT (D)
13 +INPUT (D)
12 OUTPUT (D)
11 +VCC
10 OUTPUT (C)
9 +INPUT (C)
8 -INPUT C

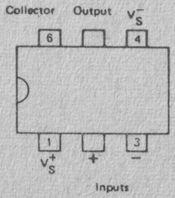
LO136


NC 1
NC 2
BAL 3
-INPUT 4
+INPUT 5
V⁻ 6
NC 7
14 NC
13 NC
12 COMP
11 V⁺
10 OUTPUT
9 BAL
8 NC

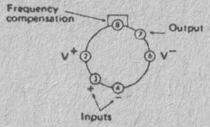
LO137


BAL 1
-INPUT 2
+INPUT 3
V⁻ 4
8 COMP.
7 V⁺
6 OUTPUT
5 BAL

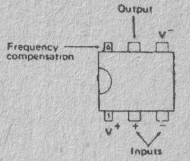
LO138


Collector
Output
V_S⁻
6
4
1
3
V_S⁺
+
−
Inputs

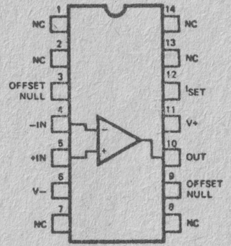
LO139


Frequency compensation
Output
V⁺
V⁻
8
7
6
4
3
2
+
−
Inputs

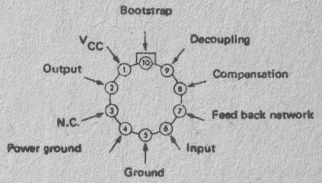
LO140


Output
V⁻
Frequency compensation
6
11
V⁺
+
−
Inputs

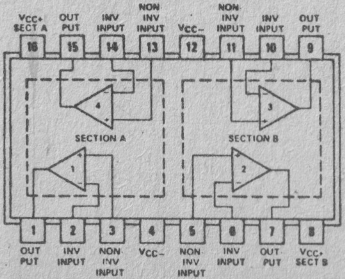
LO141


1 NC
2 NC
3 OFFSET NULL
4 −IN
5 +IN
6 V−
7 NC
14 NC
13 NC
12 I_SET
11 V+
10 OUT
9 OFFSET NULL
8 NC

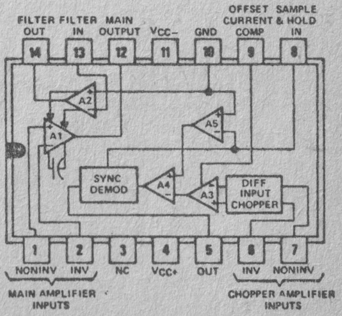
LO142


Bootstrap
VCC
Decoupling
Output
Compensation
N.C.
Feed back network
Power ground
Input
Ground
1
2
3
4
5
6
7
8
9
10

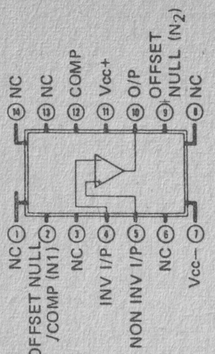
LO143


VCC+ SECT A 16
OUT PUT 15
INV INPUT 14
NON INV INPUT 13
VCC− 12
NON INV INPUT 11
INV INPUT 10
OUT PUT 9
SECTION A
SECTION B
4
3
1
2
1 OUT PUT
2 INV INPUT
3 NON INV INPUT
4 VCC−
5 NON INV INPUT
6 INV INPUT
7 OUT PUT
8 VCC+ SECT B

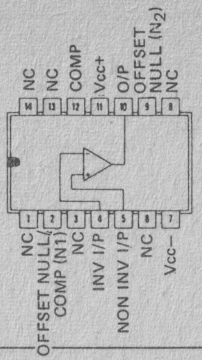
LO144


FILTER OUT 14
FILTER IN 13
MAIN OUTPUT 12
VCC− 11
GND 10
OFFSET CURRENT COMP 9
SAMPLE & HOLD IN 8
A1
A2
A3
A4
A5
SYNC DEMOD
DIFF INPUT CHOPPER
1 NONINV
2 INV
3 NC
4 VCC+
5 OUT
6 INV
7 NONINV
MAIN AMPLIFIER INPUTS
CHOPPER AMPLIFIER INPUTS

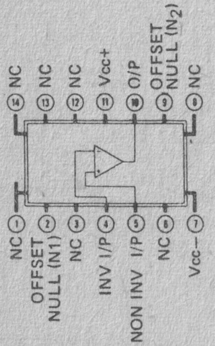
LO145


14 NC
13 NC
12 COMP
11 Vcc+
10 O/P
9 OFFSET NULL (N2)
8 NC
1 NC
2 OFFSET NULL /COMP (N1)
3 NC
4 INV I/P
5 NON INV I/P
6 NC
7 Vcc−

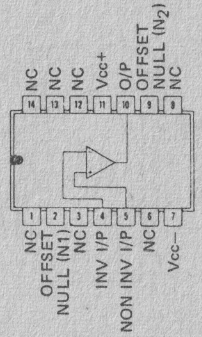
LO146


14 NC
13 NC
12 COMP
11 Vcc+
10 O/P
9 OFFSET NULL (N2)
8 NC
1 NC
2 OFFSET NULL/ COMP (N1)
3 NC
4 INV I/P
5 NON INV I/P
6 NC
7 Vcc−

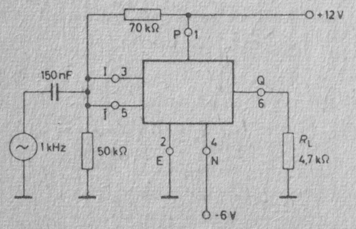
LO147


14 NC
13 NC
12 NC
11 Vcc+
10 O/P
9 OFFSET NULL (N2)
8 NC
1 NC
2 OFFSET NULL (N1)
3 NC
4 INV I/P
5 NON INV I/P
6 NC
7 Vcc−

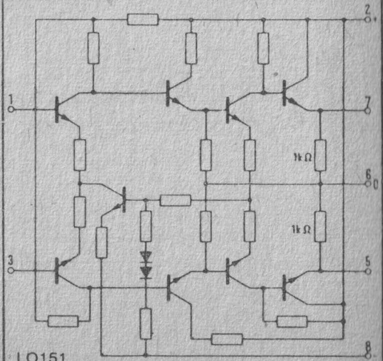
LO148


14 NC
13 NC
12 NC
11 Vcc+
10 O/P
9 OFFSET NULL (N2)
8 NC
1 NC
2 OFFSET NULL (N1)
3 NC
4 INV I/P
5 NON INV I/P
6 NC
7 Vcc−

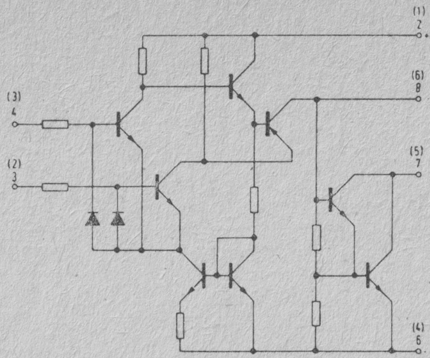
LO149


70 kΩ
P 1
+12 V
150nF
3
5
1 kHz
50 kΩ
2
E
4
N
-6 V
Q
6
R_L
4,7 kΩ

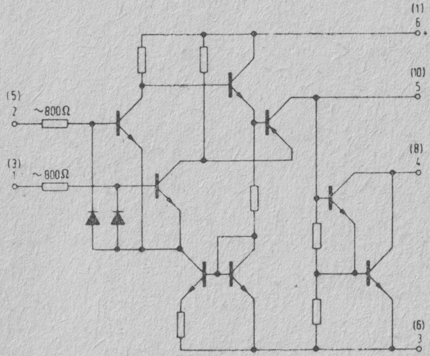
LO150


2
1
7
1k Ω
6
1k Ω
3
5
8

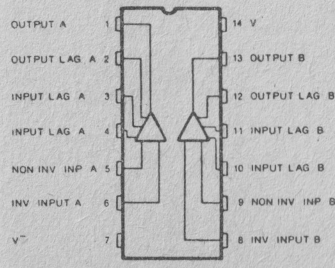
LO151


(1) 2
(6) 8
(3) 4
(2) 3
(5) 7
(4) 6

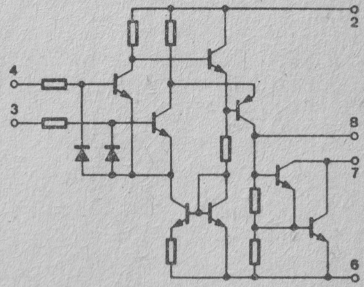
LO152


(1) 6
(10) 5
(5) 2
~800Ω
(3) 1
~800Ω
(8) 4
(6) 3

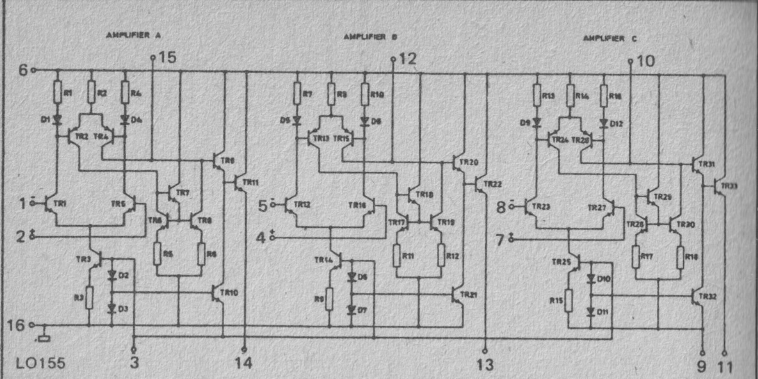
LO153


OUTPUT A 1
OUTPUT LAG A 2
INPUT LAG A 3
INPUT LAG A 4
NON INV INP A 5
INV INPUT A 6
V⁻ 7
14 V⁺
13 OUTPUT B
12 OUTPUT LAG B
11 INPUT LAG B
10 INPUT LAG B
9 NON INV INP B
8 INV INPUT B

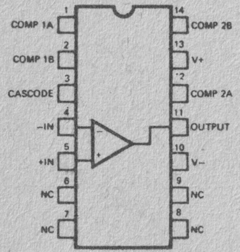
LO154



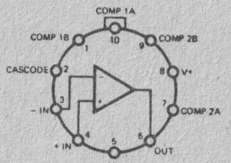
LO156


AMPLIFIER A
AMPLIFIER B
AMPLIFIER C
6
15
12
10
1
2
5
4
8
7
16
3
14
13
9
11

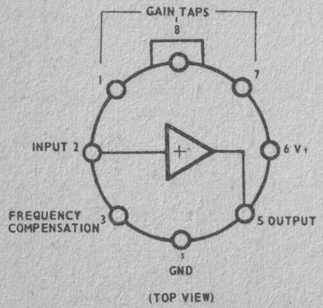
LO155


COMP 1A
COMP 1B
CASCODE
−IN
+IN
NC
NC
COMP 2B
V+
COMP 2A
OUTPUT
V−
NC
NC

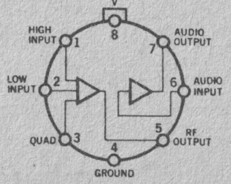
LO157


COMP 1A
COMP 1B
COMP 2B
CASCODE
V+
− IN
COMP 2A
+ IN
OUT
V−

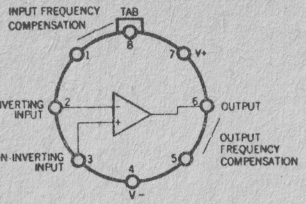
LO158


GAIN TAPS
INPUT 2
6 V+
FREQUENCY COMPENSATION
5 OUTPUT
GND
(TOP VIEW)

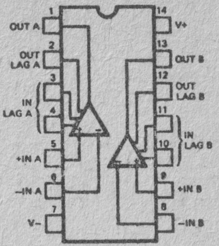
LO159


V+
HIGH INPUT
AUDIO OUTPUT
LOW INPUT
AUDIO INPUT
QUAD
RF OUTPUT
GROUND

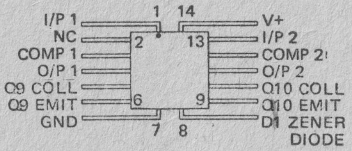
LO160


INPUT FREQUENCY COMPENSATION
TAB
V+
INVERTING INPUT
OUTPUT
OUTPUT FREQUENCY COMPENSATION
NON-INVERTING INPUT
V−

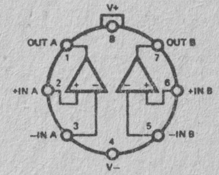
LO161


OUT A
OUT LAG A
IN LAG A
+IN A
−IN A
V−
V+
OUT B
OUT LAG B
IN LAG B
+IN B
−IN B

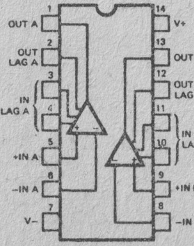
LO162


I/P 1
NC
COMP 1
O/P 1
Q9 COLL
Q9 EMIT
GND
V+
I/P 2
COMP 2
O/P 2
Q10 COLL
Q10 EMIT
D1 ZENER DIODE

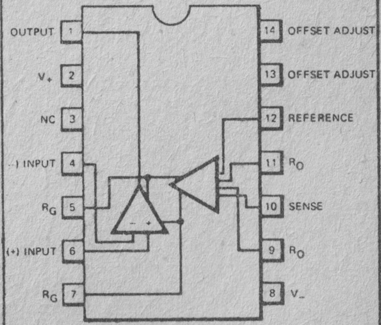
LO163


V+
OUT A
OUT B
+IN A
+IN B
−IN A
−IN B
V−

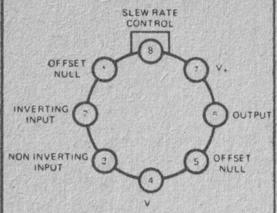
LO164


OUT A
OUT LAG A
IN LAG A
+IN A
−IN A
V−
V+
OUT B
OUT LAG B
IN LAG B
+IN B
−IN B

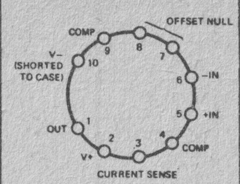
LO165


OUTPUT
V+
NC
(−) INPUT
RG
(+) INPUT
RG
OFFSET ADJUST
OFFSET ADJUST
REFERENCE
RO
SENSE
RO
V−

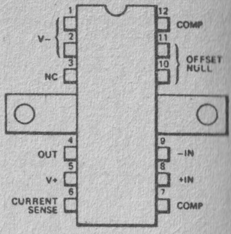
LO166


SLEW RATE CONTROL
OFFSET NULL
V+
INVERTING INPUT
OUTPUT
NON INVERTING INPUT
OFFSET NULL
V-
8
7
6
5
4
3
2
1

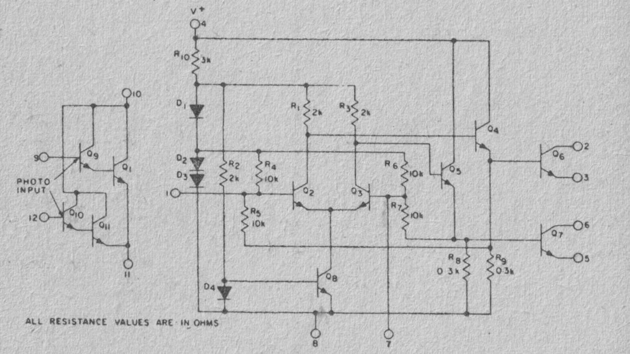
LO167


OFFSET NULL
COMP
V- (SHORTED TO CASE)
-IN
+IN
OUT
COMP
V+
CURRENT SENSE
10
9
8
7
6
5
4
3
2
1

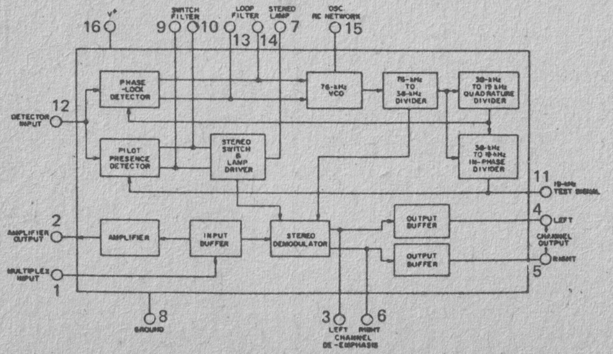
LO168


V-
NC
OUT
V+
CURRENT SENSE
COMP
OFFSET NULL
-IN
+IN
COMP
1
2
3
4
5
6
7
8
9
10
11
12

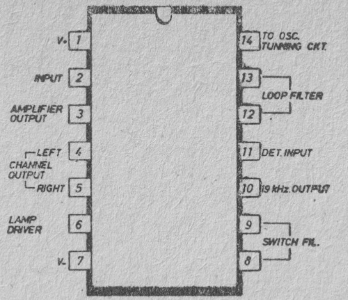
LO169


V+
4
R10 3k
D1
D2
D3
D4
R1 2k
R2 2k
R3 2k
R4 10k
R5 10k
R6 10k
R7 10k
R8 0.3k
R9 0.3k
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
PHOTO INPUT
1
2
3
5
6
7
8
9
10
11
12
ALL RESISTANCE VALUES ARE IN OHMS

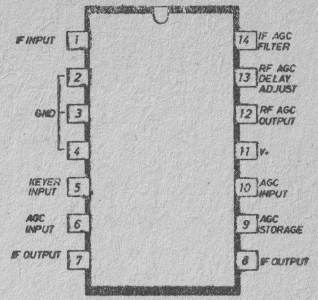
LP1


V+
16
SWITCH FILTER
9
10
LOOP FILTER
13
14
STEREO LAMP
7
OSC. RC NETWORK
15
DETECTOR INPUT
12
PHASE-LOCK DETECTOR
76-kHz VCO
76-kHz TO 38-kHz DIVIDER
38-kHz TO 19 kHz QUADRATURE DIVIDER
PILOT PRESENCE DETECTOR
STEREO SWITCH & LAMP DRIVER
38-kHz TO 19-kHz IN-PHASE DIVIDER
11
19-kHz TEST SIGNAL
2
AMPLIFIER OUTPUT
AMPLIFIER
INPUT BUFFER
STEREO DEMODULATOR
OUTPUT BUFFER
OUTPUT BUFFER
4
LEFT
CHANNEL OUTPUT
RIGHT
5
MULTIPLEX INPUT
1
8
GROUND
3
6
LEFT RIGHT CHANNEL DE-EMPHASIS

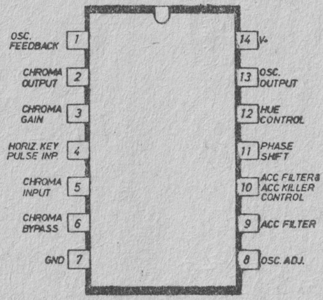
LR1


V+ 1
INPUT 2
AMPLIFIER OUTPUT 3
LEFT 4
CHANNEL OUTPUT
RIGHT 5
LAMP DRIVER 6
V- 7
14 TO OSC. TUNING CKT.
13
LOOP FILTER
12
11 DET. INPUT
10 19 kHz. OUTPUT
9
SWITCH FIL.
8

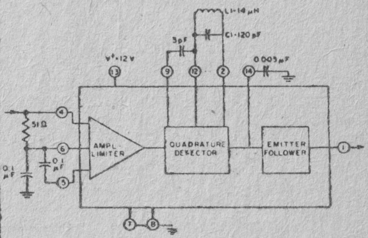
LR2


IF INPUT 1
2
GND 3
4
KEYER INPUT 5
AGC INPUT 6
IF OUTPUT 7
14 IF AGC FILTER
13 RF AGC DELAY ADJUST
12 RF AGC OUTPUT
11 V+
10 AGC INPUT
9 AGC STORAGE
8 IF OUTPUT

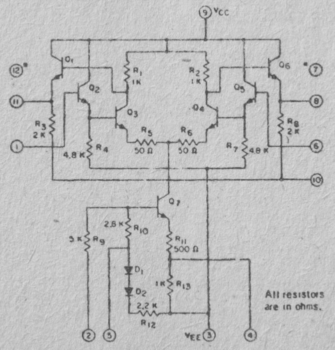
LR3


OSC. FEEDBACK 1
CHROMA OUTPUT 2
CHROMA GAIN 3
HORIZ. KEY PULSE INP. 4
CHROMA INPUT 5
CHROMA BYPASS 6
GND 7
14 V+
13 OSC. OUTPUT
12 HUE CONTROL
11 PHASE SHIFT
10 ACC FILTER & ACC KILLER CONTROL
9 ACC FILTER
8 OSC. ADJ.

LR4

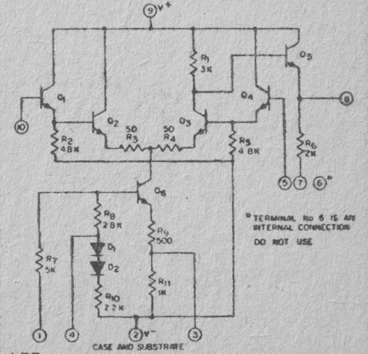

L1-14 µH
C1-120 pF
3pF
V+ 12 V
13
9
12
2
14
0.005 µF
4
51 Ω
6
5
0.1 µF
0.1 µF
AMPL-LIMITER
QUADRATURE DETECTOR
EMITTER FOLLOWER
1
7
8

LR5


9 VCC
12*
Q1
Q2
Q3
Q4
Q5
Q6
*7
11
8
R1 1K
R2 1K
R3 2K
R4 4.8 K
R5 50 Ω
R6 50 Ω
R7 4.8 K
R8 2 K
1
6
10
Q7
2.8 K R10
3 K R9
R11 500 Ω
D1
D2
1K R13
2.2 K R12
2
5
VEE 3
4
All resistors are in ohms.

* Internal Connection – DO NOT USE

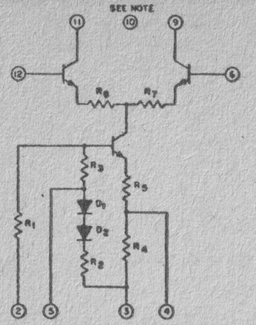
LR6


9 V+
R1 3K
Q1
Q2
Q3
Q4
Q5
Q6
8
10
R2 4.8K
50 R3
50 R4
R5 4.8K
R6 2K
5
7
6*
R8 2.8K
D1
D2
R10 2.2K
R7 5K
R9 500
R11 1K
1
4
2 V-
3
CASE AND SUBSTRATE

*TERMINAL No 6 IS AN INTERNAL CONNECTION DO NOT USE

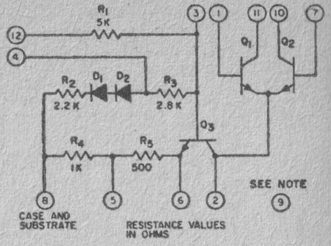
ALL RESISTORS ARE IN OHMS

LR7


SEE NOTE
11
10
9
12
6
R6
R7
R3
R5
D1
D2
R1
R2
R4
2
5
3
4

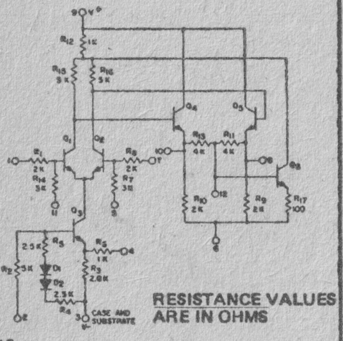
NOTE: Connect Terminal No. 10 to most positive dc supply voltage used for circuit.

LR8


R1
5K
12
4
3
1
11
10
7
Q1
Q2
R2
D1
D2
R3
2.2K
2.8K
Q3
R4
1K
R5
500
8
5
6
2
SEE NOTE
9
CASE AND SUBSTRATE
RESISTANCE VALUES IN OHMS

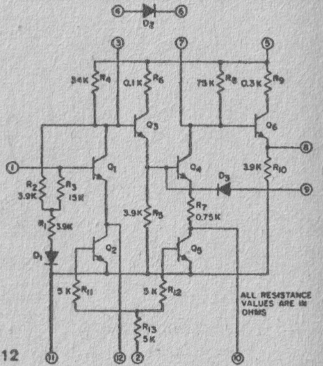
NOTE: Connect Terminal No. 9 to most positive dc supply voltage used for circuit.

LR9

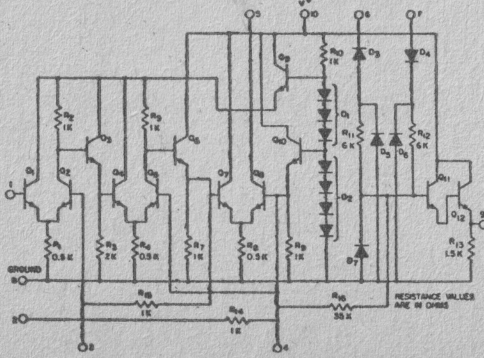

9 V+
R12 1K
R15 5K
R16 5K
Q4
Q5
Q1
Q2
R13 4K
R11 4K
R1 2K
R8 2K
R14 3K
R7 3K
10
7
6
Q6
12
R10 2K
R9 2K
R17 100
Q3
R5 1K
R3 2.8K
R2 5K
2.5K
D1
D2
2.5K
R4
CASE AND SUBSTRATE
V-
2
3
4
5
11

RESISTANCE VALUES ARE IN OHMS

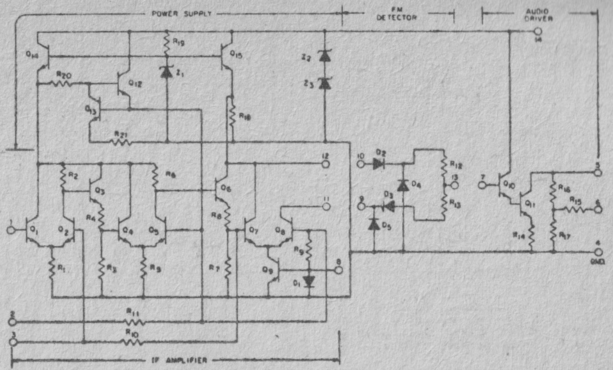
LR10


4
D2
6
3
7
5
34K R4
0.1K R6
75K R8
0.3K R9
Q3
Q6
1
Q1
Q4
D3
3.9K R10
8
9
R2 3.9K
R3 15K
R1 3.9K
D1
3.9K R5
R7 0.75K
Q2
Q5
5K R11
5K R12
R13 5K
ALL RESISTANCE VALUES ARE IN OHMS
11
12
2
10

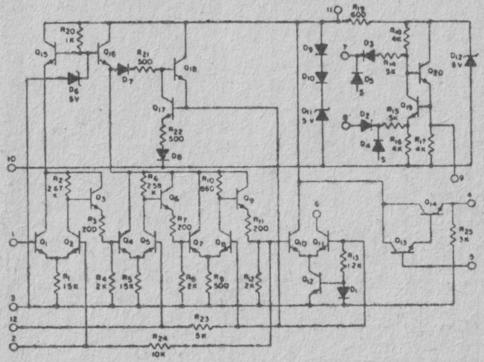
LR12


5
V+ 10
6
7
D3
D4
Q9
R10 1K
R2 1K
Q3
R3 1K
Q6
D1
Q10
R11 6K
D5
D6
R12 6K
Q1
Q2
Q4
Q5
Q7
Q8
D2
Q11
Q12
9
1
R1 0.5K
R3 2K
R4 0.5K
R7 1K
R8 0.5K
R9 1K
D7
R13 1.5K
GROUND 8
R15 1K
R14 1K
R16 35K
RESISTANCE VALUES ARE IN OHMS
2
3
4

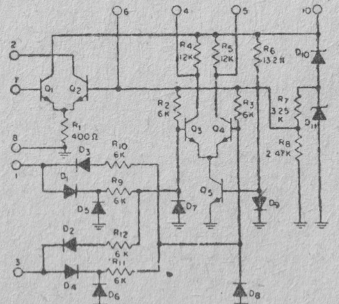
LR11


POWER SUPPLY
FM DETECTOR
AUDIO DRIVER
14
Q14
R19
Q15
Z2
Z3
R20
Q12
Z1
Q13
R18
R21
12
10
D2
R12
13
R13
D4
D3
D5
7
Q10
R16
5
R15
6
Q11
R14
R17
4
GND
R2
Q3
R6
Q6
R4
11
Q1
Q2
Q4
Q5
R8
Q7
Q8
R9
R1
R3
R5
R7
Q9
D1
8
2
3
R11
R10
IF AMPLIFIER

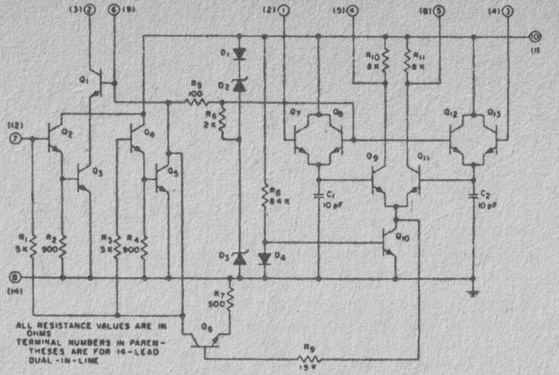
LR13


11
R19 500
R20 1K
R21 500
D9
7
D3
R18 4K
Q15
Q16
Q18
D12 6V
D6 6V
D7
D10
R14 5K
D5
Q20
Q17
D11 5V
8
D2
R15 5K
Q19
R22 500
D4
R16 4K
R17 4K
D8
10
9
R2 2.67K
Q3
R6 2.5K
Q6
R10 860
Q9
R11 200
R3 200
R7 200
6
4
Q14
R25 3K
Q1
Q2
Q4
Q5
Q7
Q8
Q10
Q11
R13 12K
Q13
5
1
Q12
D1
R1 15K
R4 2K
R5 15K
R8 2K
R9 500
R12 2K
3
12
R23 5K
2
R24 10K

LR14

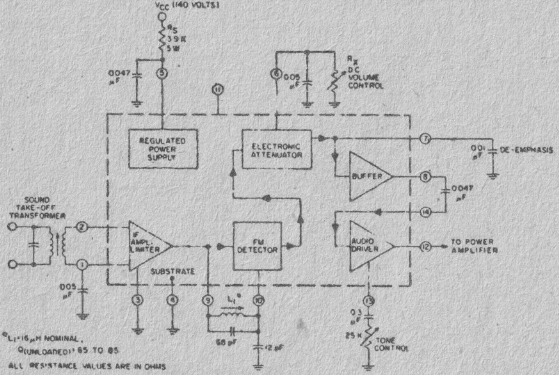

6
4
5
10
2
R4 12K
R5 12K
R6 13.2K
D10
7
Q1
Q2
R2 6K
R3 6K
Q3
Q4
R7 325K
D11
R1 400Ω
8
D3
R10 6K
R8 2.47K
1
D1
R9 6K
Q5
D5
D7
D9
D2
R12 6K
3
R11 6K
D4
D6
D8

LR15


(3) 2
6 (9)
(2) 1
(5) 4
(8) 5
(4) 3
10
(1)
(12)
7
8
(14)
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
D1
D2
D3
D4
R1 5K
R2 900
R3 5K
R4 900
R5 100
R6 2K
R7 900
R8 8.4K
R9 1.9K
R10 8K
R11 8K
C1 10 pF
C2 10 pF

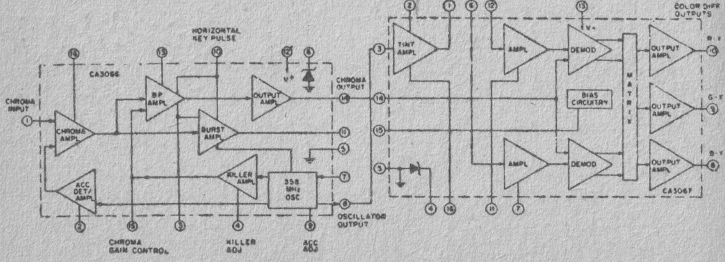
ALL RESISTANCE VALUES ARE IN OHMS
TERMINAL NUMBERS IN PARENTHESES ARE FOR 14-LEAD DUAL-IN-LINE

LR16

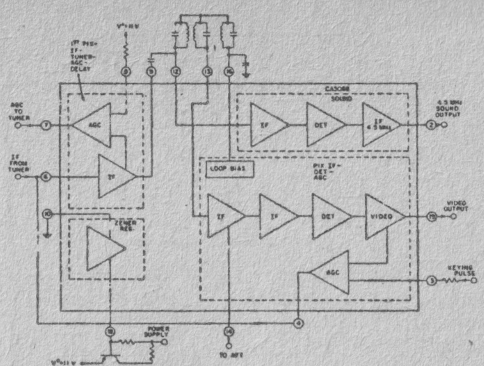

VCC (140 VOLTS)
R5 39K 5W
.0047 μF
.005 μF
RX DC VOLUME CONTROL
REGULATED POWER SUPPLY
ELECTRONIC ATTENUATOR
.001 μF
DE-EMPHASIS
BUFFER
.0047 μF
SOUND TAKE-OFF TRANSFORMER
IF AMPL. LIMITER
FM DETECTOR
AUDIO DRIVER
TO POWER AMPLIFIER
SUBSTRATE
.005 μF
L1*
68 pF
12 pF
.03 μF
25K
TONE CONTROL

*L1=16μH NOMINAL,
Q(UNLOADED)=65 TO 85
ALL RESISTANCE VALUES ARE IN OHMS

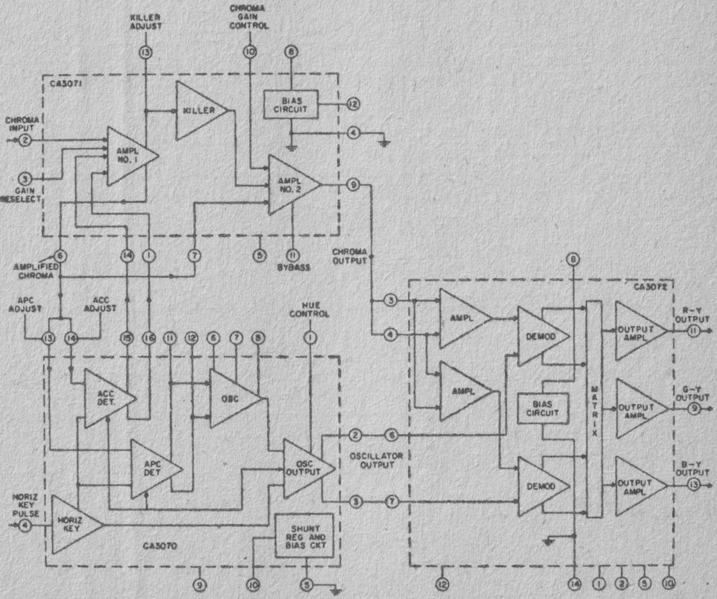
LR17


CA3066
CHROMA INPUT
CHROMA AMPL
ACC DET/AMPL
BP AMPL
HORIZONTAL KEY PULSE
BURST AMPL
OUTPUT AMPL
KILLER AMPL
3.58 MHz OSC
V+
CHROMA OUTPUT
OSCILLATOR OUTPUT
CHROMA GAIN CONTROL
KILLER ADJ
ACC ADJ
TINT CONTROL
TINT AMPL
AMPL
DEMOD
V+
BIAS CIRCUITRY
MATRIX
OUTPUT AMPL
COLOR DIFF OUTPUTS
R-Y
G-Y
B-Y
CA3067

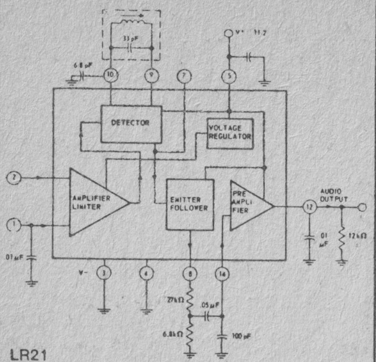
LR18


V+=11 V
1ST PIX-IF-TUNER-AGC-DELAY
CA3068
SOUND
AGC TO TUNER
AGC
IF FROM TUNER
IF
ZENER REG.
IF
DET
IF 4.5 MHz
4.5 MHz SOUND OUTPUT
LOOP BIAS
PIX IF-DET-AGC
IF
IF
DET
VIDEO
VIDEO OUTPUT
AGC
KEYING PULSE
POWER SUPPLY
V+=11 V
TO AFT

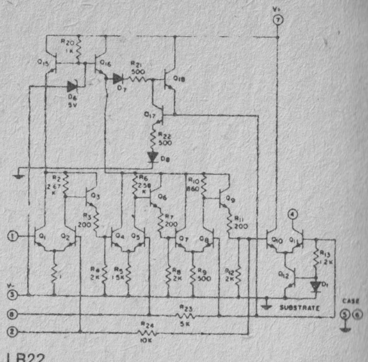
LR19


KILLER ADJUST
CHROMA GAIN CONTROL
CA3071
CHROMA INPUT
GAIN PRESELECT
AMPL NO. 1
KILLER
BIAS CIRCUIT
AMPL NO. 2
BYBASS
AMPLIFIED CHROMA
CHROMA OUTPUT
APC ADJUST
ACC ADJUST
HUE CONTROL
ACC DET.
OSC
APC DET
OSC OUTPUT
HORIZ KEY PULSE
HORIZ KEY
SHUNT REG AND BIAS CKT
CA3070
OSCILLATOR OUTPUT
CA3072
AMPL
AMPL
DEMOD
DEMOD
BIAS CIRCUIT
MATRIX
OUTPUT AMPL
R-Y OUTPUT
G-Y OUTPUT
B-Y OUTPUT

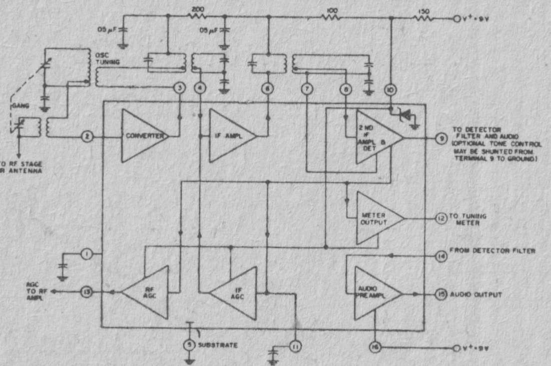
LR20


33 pF
6.8 pF
V+ 11.2
DETECTOR
VOLTAGE REGULATOR
AMPLIFIER LIMITER
EMITTER FOLLOWER
PRE AMPLI FIER
AUDIO OUTPUT
.01 µF
12 kΩ
.01 µF
V-
27kΩ
.05 µF
6.8kΩ
100 pF

LR21

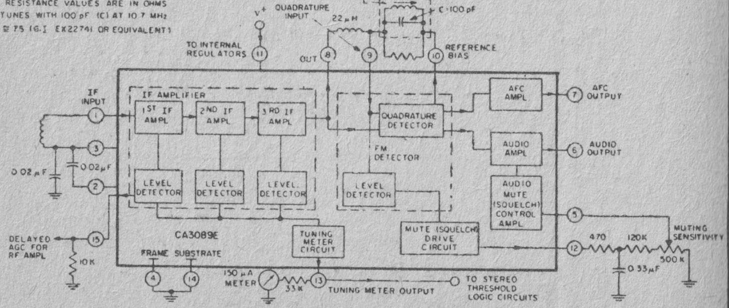

V+
R20 1K
Q15
Q16
R21 500
Q18
D6 5V
D7
Q17
R22 500
D8
R2 2.67 K
Q3
R6 2.58 K
Q6
R10 860
Q9
R3 200
R7 200
R11 200
Q1
Q2
Q4
Q5
Q7
Q8
Q10
Q11
R13 1.2K
Q12
D1
R4 2K
R5 1.5K
R8 2K
R9 500
R12 2K
V-
SUBSTRATE
CASE
R23 5K
R24 10K

LR22

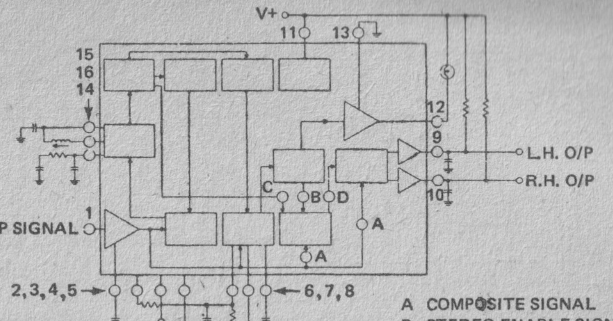

200
100
150
V+ = 9V
.05 µF
.05 µF
OSC TUNING
GANG
TO RF STAGE OR ANTENNA
CONVERTER
IF AMPL
2ND IF AMPL & DET
TO DETECTOR FILTER AND AUDIO (OPTIONAL TONE CONTROL MAY BE SHUNTED FROM TERMINAL 9 TO GROUND)
METER OUTPUT
TO TUNING METER
FROM DETECTOR FILTER
AGC TO RF AMPL
RF AGC
IF AGC
AUDIO PREAMPL
AUDIO OUTPUT
SUBSTRATE
V+ = 9V

LR23

ALL RESISTANCE VALUES ARE IN OHMS
* L TUNES WITH 100 pF (C) AT 10.7 MHz
Q_0 ≅ 75 (G.I. EX22741 OR EQUIVALENT)


V+
QUADRATURE INPUT
22 µH
L*
C = 100 pF
TO INTERNAL REGULATORS
OUT
REFERENCE BIAS
IF INPUT
IF AMPLIFIER
1ST IF AMPL
2ND IF AMPL
3RD IF AMPL
QUADRATURE DETECTOR
FM DETECTOR
AFC AMPL
AFC OUTPUT
AUDIO AMPL
AUDIO OUTPUT
0.02 µF
0.02 µF
LEVEL DETECTOR
LEVEL DETECTOR
LEVEL DETECTOR
LEVEL DETECTOR
AUDIO MUTE (SQUELCH) CONTROL AMPL
MUTE (SQUELCH) DRIVE CIRCUIT
MUTING SENSITIVITY
CA3089E
TUNING METER CIRCUIT
DELAYED AGC FOR RF AMPL
10K
FRAME SUBSTRATE
470
120K
500 K
0.33 µF
150 µA METER
33K
TUNING METER OUTPUT
TO STEREO THRESHOLD LOGIC CIRCUITS

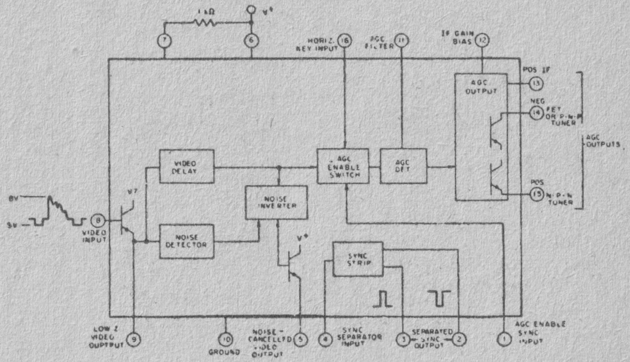
LR24


V+
11
13
15
16
14
12
9
L.H. O/P
R.H. O/P
10
C
B
D
A
A
1
I/P SIGNAL
2,3,4,5
6,7,8

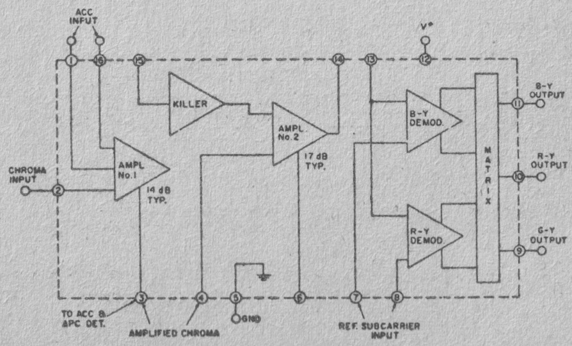
STEREO DEFEAT ENABLE
Resistance values are in ohms.

A COMPOSITE SIGNAL
B STEREO ENABLE SIGNAL
C STEREO GATING SIGNAL
D DIFF. SIGNAL

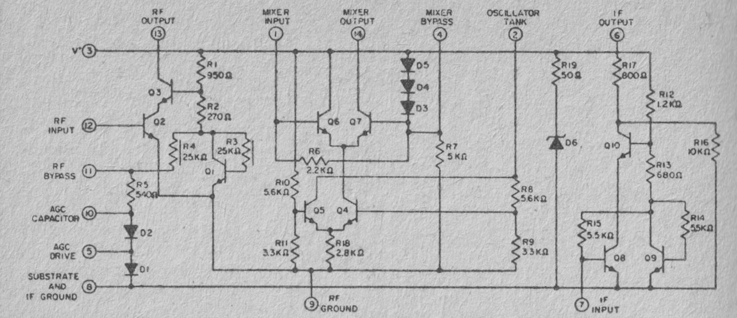
LR25


1 kΩ
V+
HORIZ. KEY INPUT
AGC FILTER
IF GAIN BIAS
POS IF
AGC OUTPUT
NEG FET OR P-N-P TUNER
AGC OUTPUTS
POS N-P-N TUNER
VIDEO DELAY
AGC ENABLE SWITCH
AGC DET
NOISE INVERTER
8V
5V
VIDEO INPUT
NOISE DETECTOR
V+
SYNC STRIP
LOW Z VIDEO OUTPUT
GROUND
NOISE-CANCELLED VIDEO OUTPUT
SYNC SEPARATOR INPUT
SEPARATED SYNC OUTPUT
AGC ENABLE SYNC INPUT

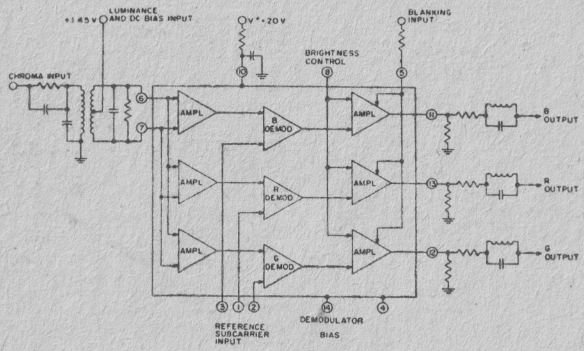
LR26


ACC INPUT
V+
KILLER
AMPL No. 2
17 dB TYP.
B-Y DEMOD.
B-Y OUTPUT
CHROMA INPUT
AMPL No. 1
14 dB TYP.
MATRIX
R-Y OUTPUT
R-Y DEMOD.
G-Y OUTPUT
GND
TO ACC & APC DET.
AMPLIFIED CHROMA
REF. SUBCARRIER INPUT

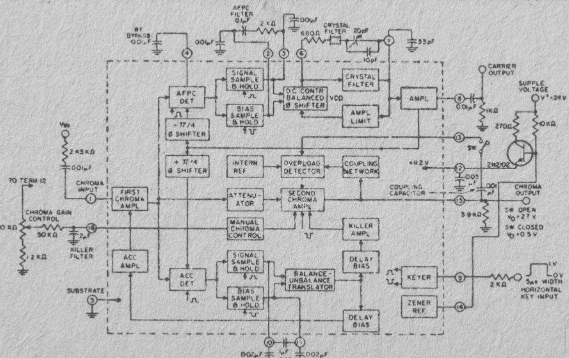
LR27


RF OUTPUT
MIXER INPUT
MIXER OUTPUT
MIXER BYPASS
OSCILLATOR TANK
IF OUTPUT
V+ 3
RF INPUT 12
RF BYPASS 11
AGC CAPACITOR 10
AGC DRIVE 5
SUBSTRATE AND IF GROUND 8
R1 950Ω
R2 270Ω
R3 25KΩ
R4 25KΩ
R5 540Ω
R6 2.2KΩ
R7 5KΩ
R8 5.6KΩ
R9 3.3KΩ
R10 5.6KΩ
R11 3.3KΩ
R12 1.2KΩ
R13 680Ω
R14 5.5KΩ
R15 5.5KΩ
R16 10KΩ
R17 800Ω
R18 2.8KΩ
R19 50Ω
Q1 Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9 Q10
D1 D2 D3 D4 D5 D6
RF GROUND
IF INPUT

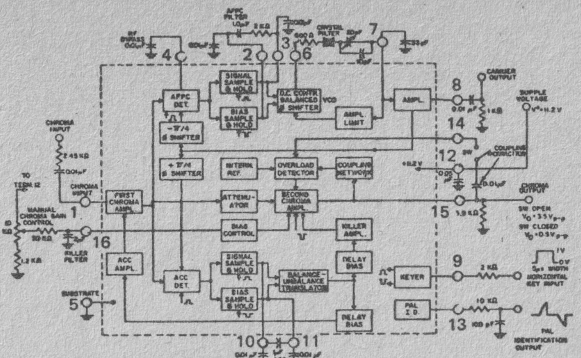
LR28


+1.45V
LUMINANCE AND DC BIAS INPUT
V+ =20V
BLANKING INPUT
BRIGHTNESS CONTROL
CHROMA INPUT
AMPL
B DEMOD
R DEMOD
G DEMOD
B OUTPUT
R OUTPUT
G OUTPUT
REFERENCE SUBCARRIER INPUT
DEMODULATOR BIAS

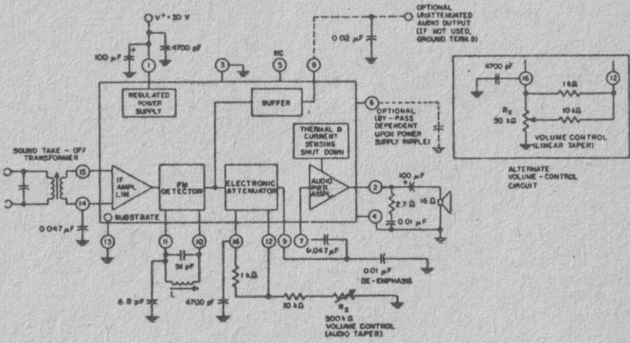
LR29


AFPC FILTER
RF BYPASS
CRYSTAL FILTER
AFPC DET
SIGNAL SAMPLE & HOLD
BIAS SAMPLE & HOLD
DC CONTR BALANCED Ø SHIFTER
VCO
CRYSTAL FILTER
AMPL LIMIT
AMPL
CARRIER OUTPUT
SUPPLE VOLTAGE
V+ =24V
-π/4 Ø SHIFTER
+π/4 Ø SHIFTER
INTERN REF
OVERLOAD DETECTOR
COUPLING NETWORK
CHROMA INPUT
TO TERM 12
CHROMA GAIN CONTROL
KILLER FILTER
FIRST CHROMA AMPL
ATTENUATOR
SECOND CHROMA AMPL
COUPLING CAPACITOR
CHROMA OUTPUT
SW OPEN V0=2.7V
SW CLOSED V0=0.5V
MANUAL CHROMA CONTROL
KILLER AMPL
ACC AMPL
ACC DET
DELAY BIAS
BALANCE-UNBALANCE TRANSLATOR
KEYER
ZENER REF
5μs WIDTH HORIZONTAL KEY INPUT
SUBSTRATE
ACC FILTER
2N2102

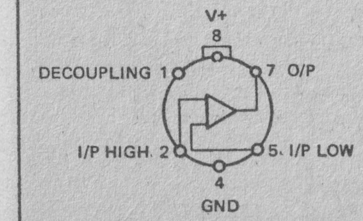
LR30


AFPC FILTER
RF BYPASS
CRYSTAL FILTER
4 2 3 6 7
AFPC DET
SIGNAL SAMPLE & HOLD
BIAS SAMPLE & HOLD
DC CONTR BALANCED Ø SHIFTER
VCO
AMPL LIMIT
AMPL
8
CARRIER OUTPUT
SUPPLE VOLTAGE
V+=11.2V
14
12
COUPLING CAPACITOR
CHROMA OUTPUT
15
SW OPEN V0=3.5Vp-p
SW CLOSED V0=0.5Vp-p
CHROMA INPUT
TO TERM 12
MANUAL CHROMA GAIN CONTROL
KILLER FILTER
1
16
-π/4 Ø SHIFTER
+π/4 Ø SHIFTER
INTERN REF
OVERLOAD DETECTOR
COUPLING NETWORK
FIRST CHROMA AMPL
ATTENUATOR
SECOND CHROMA AMPL
BIAS CONTROL
KILLER AMPL
ACC AMPL
ACC DET
DELAY BIAS
BALANCE-UNBALANCE TRANSLATOR
KEYER
9
5μs WIDTH HORIZONTAL KEY INPUT
PAL I.D.
13
PAL IDENTIFICATION OUTPUT
SUBSTRATE
5
10 11
ACC FILTER

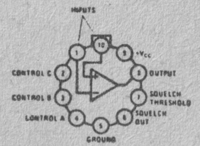
LR31


V+=30V
OPTIONAL UNATTENUATED AUDIO OUTPUT (IF NOT USED, GROUND TERM 8)
NC
REGULATED POWER SUPPLY
BUFFER
OPTIONAL (BY-PASS DEPENDENT UPON POWER SUPPLY RIPPLE)
THERMAL & CURRENT SENSING SHUT DOWN
SOUND TAKE-OFF TRANSFORMER
IF AMPL LIM
FM DETECTOR
ELECTRONIC ATTENUATOR
AUDIO PWR AMPL
SUBSTRATE
DE-EMPHASIS
Rx 500kΩ VOLUME CONTROL (AUDIO TAPER)
Rx 50kΩ
VOLUME CONTROL (LINEAR TAPER)
ALTERNATE VOLUME-CONTROL CIRCUIT

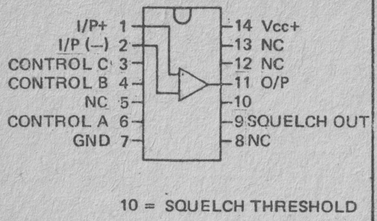
LR32


V+
8
DECOUPLING 1
7 O/P
I/P HIGH 2
5 I/P LOW
4
GND

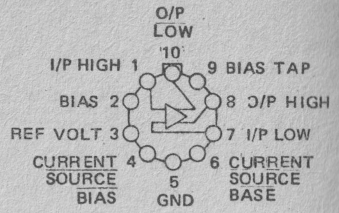
LR33


INPUTS
+Vcc
OUTPUT
CONTROL C
CONTROL B
CONTROL A
SQUELCH THRESHOLD
SQUELCH OUT
GROUND

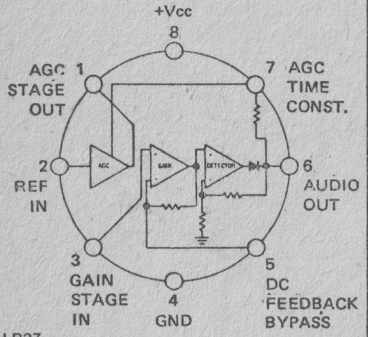
LR34


I/P+ 1
I/P (–) 2
CONTROL C 3
CONTROL B 4
NC 5
CONTROL A 6
GND 7
14 Vcc+
13 NC
12 NC
11 O/P
10
9 SQUELCH OUT
8 NC
10 = SQUELCH THRESHOLD

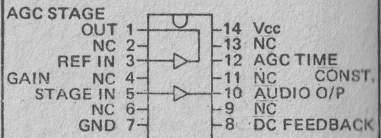
LR35


O/P
LOW
10
I/P HIGH 1
9 BIAS TAP
BIAS 2
8 O/P HIGH
REF VOLT 3
7 I/P LOW
CURRENT SOURCE BIAS 4
5 GND
6 CURRENT SOURCE BASE

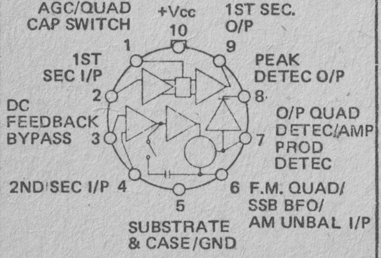
LR36


+Vcc
8
AGC STAGE OUT 1
7 AGC TIME CONST.
2 REF IN
6 AUDIO OUT
AGC
GAIN
DETECTOR
3 GAIN STAGE IN
4 GND
5 DC FEEDBACK BYPASS

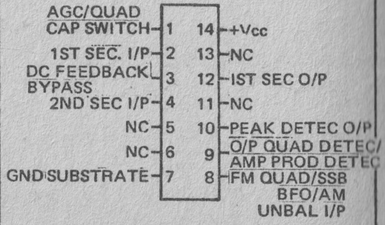
LR37


AGC STAGE OUT 1
NC 2
REF IN 3
GAIN NC 4
STAGE IN 5
NC 6
GND 7
14 Vcc
13 NC
12 AGC TIME
11 NC CONST.
10 AUDIO O/P
9 NC
8 DC FEEDBACK

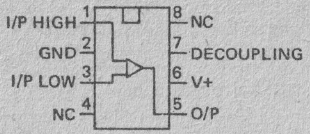
LR38


AGC/QUAD CAP SWITCH
1
+Vcc
10
1ST SEC. O/P
9
1ST SEC I/P
2
PEAK DETEC O/P
8
DC FEEDBACK BYPASS 3
7 O/P QUAD DETEC/AMP PROD DETEC
2ND SEC I/P 4
6 F.M. QUAD/SSB BFO/AM UNBAL I/P
5
SUBSTRATE & CASE/GND

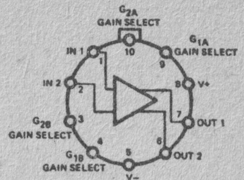
LR39


AGC/QUAD CAP SWITCH 1
1ST SEC. I/P 2
DC FEEDBACK BYPASS 3
2ND SEC I/P 4
NC 5
NC 6
GND SUBSTRATE 7
14 +Vcc
13 NC
12 IST SEC O/P
11 NC
10 PEAK DETEC O/P
9 O/P QUAD DETEC/AMP PROD DETEC
8 FM QUAD/SSB BFO/AM UNBAL I/P

LR40

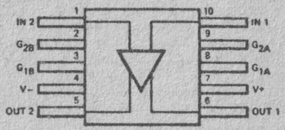

I/P HIGH 1
GND 2
I/P LOW 3
NC 4
8 NC
7 DECOUPLING
6 V+
5 O/P

LR41

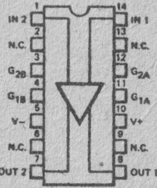

G2A GAIN SELECT
10
G1A GAIN SELECT
9
IN 1
1
IN 2
2
8 V+
7 OUT 1
G2B GAIN SELECT 3
4
G1B GAIN SELECT
5
V–
6 OUT 2

Note: Pin 5 connected to case.

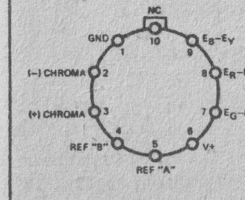
LR42


IN 2 1
G2B 2
G1B 3
V– 4
OUT 2 5
10 IN 1
9 G2A
8 G1A
7 V+
6 OUT 1

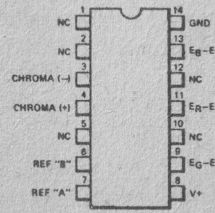
LR43


1 IN 2
2 N.C.
3 G2B
4 G1B
5 V–
6 N.C.
7 OUT 2
14 IN 1
13 N.C.
12 G2A
11 G1A
10 V+
9 N.C.
8 OUT 1

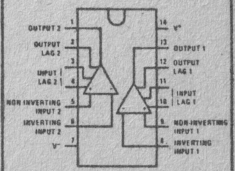
LR44


NC
10
GND 1
(–) CHROMA 2
(+) CHROMA 3
REF "B" 4
5 REF "A"
6 V+
7 EG–EY
8 ER–EY
9 EB–EY

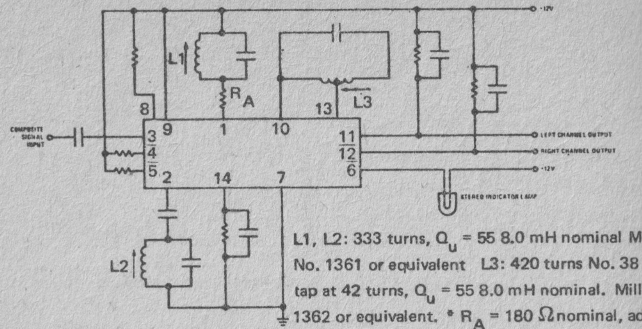
LR45


NC 1
NC 2
CHROMA (–) 3
CHROMA (+) 4
NC 5
REF "B" 6
REF "A" 7
14 GND
13 EB–EY
12 NC
11 ER–EY
10 NC
9 EG–EY
8 V+

LR46

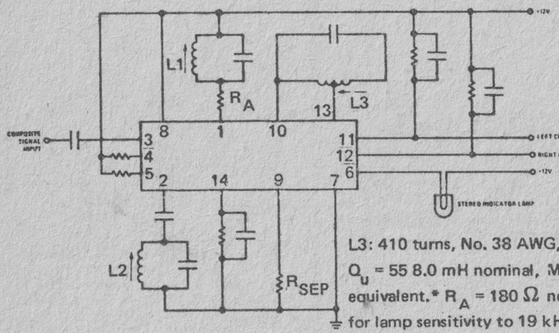

OUTPUT 2 1
OUTPUT LAG 2 2
3
INPUT LAG 2 4
NON INVERTING INPUT 2 5
INVERTING INPUT 2 6
V– 7
14 V+
13 OUTPUT 1
12 OUTPUT LAG 1
11
10 INPUT LAG 1
9 NON-INVERTING INPUT 1
8 INVERTING INPUT 1

LR47


+12V
L1
R_A
13
L3
8
9
1
10
COMPOSITE SIGNAL INPUT
3
4
5
2
14
7
11
12
6
LEFT CHANNEL OUTPUT
RIGHT CHANNEL OUTPUT
+12V
STEREO INDICATOR LAMP
L2

L1, L2: 333 turns, Q_u = 55 8.0 mH nominal Miller No. 1361 or equivalent L3: 420 turns No. 38 AWG, tap at 42 turns, Q_u = 55 8.0 mH nominal. Miller No. 1362 or equivalent. * R_A = 180 Ω nominal, adjusted for lamp sensitivity to 19 kHz pilot.

LR48

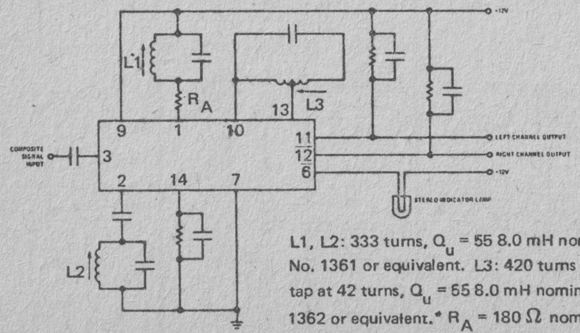

+12V
L1
R_A
13
L3
8
1
10
COMPOSITE SIGNAL INPUT
3
4
5
2
14
9
7
11
12
6
LEFT CHANNEL OUTPUT
RIGHT CHANNEL OUTPUT
+12V
STEREO INDICATOR LAMP
L2
R_SEP

L1, L2: 33 turns, Q_u = 55 8.0 mH nominal, Miller No. 1361 or equivalent.

L3: 410 turns, No. 38 AWG, tap at 42 turns, Q_u = 55 8.0 mH nominal, Miller No. 1362 or equivalent.* R_A = 180 Ω nominal, adjusted for lamp sensitivity to 19 kHz pilot.

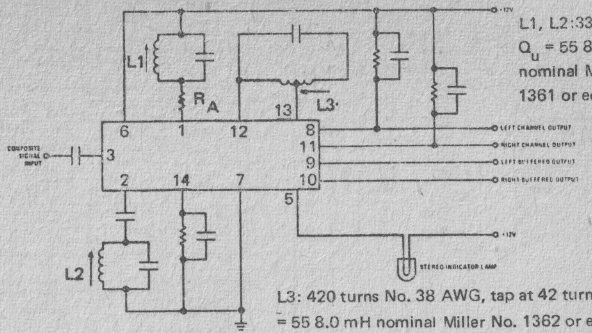
** R_{SEP} = 310 Ω nominal, adjusted for maximum channel separation.

LR49


+12V
L1
R_A
13
L3
9
1
10
COMPOSITE SIGNAL INPUT
3
2
14
7
11
12
6
LEFT CHANNEL OUTPUT
RIGHT CHANNEL OUTPUT
+12V
STEREO INDICATOR LAMP
L2

L1, L2: 333 turns, Q_u = 55 8.0 mH nominal Miller No. 1361 or equivalent. L3: 420 turns No. 38 AWG, tap at 42 turns, Q_u = 55 8.0 mH nominal. Miller No. 1362 or equivalent.* R_A = 180 Ω nominal, adjusted for lamp sensitivity to 19 kHz pilot.

LR50

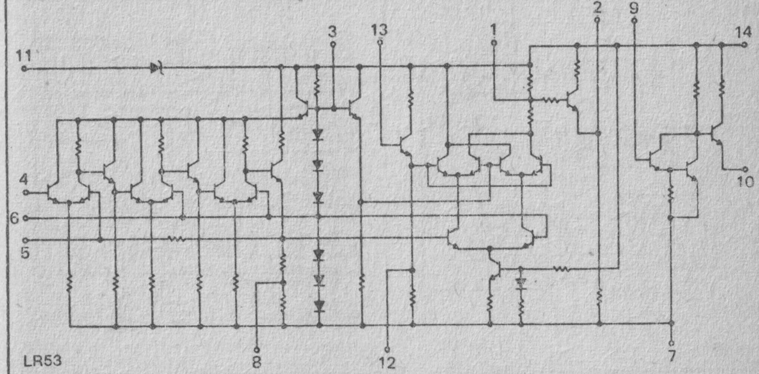

+12V
L1
R_A
13
L3
6
1
12
COMPOSITE SIGNAL INPUT
3
2
14
7
8
11
9
10
5
LEFT CHANNEL OUTPUT
RIGHT CHANNEL OUTPUT
LEFT BUFFERED OUTPUT
RIGHT BUFFERED OUTPUT
+12V
STEREO INDICATOR LAMP
L2

L1, L2:333 turns, Q_u = 55 8.0 mH nominal Miller No. 1361 or equivalent.

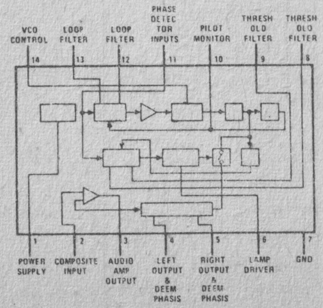
L3: 420 turns No. 38 AWG, tap at 42 turns, Q_u = 55 8.0 mH nominal Miller No. 1362 or equivalent.

* R_A = 180 Ω nominal, adjusted for lamp sensitivity to 19 kHz pilot.

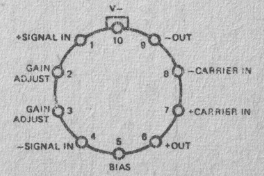
LR51


3
13
1
2
9
14
11
4
6
5
10
8
12
7

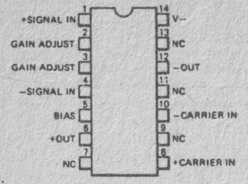
LR53


VCO CONTROL
LOOP FILTER
LOOP FILTER
PHASE DETECTOR INPUTS
PILOT MONITOR
THRESHOLD FILTER
THRESHOLD FILTER
14
13
12
11
10
9
8
1
2
3
4
5
6
7
POWER SUPPLY
COMPOSITE INPUT
AUDIO AMP OUTPUT
LEFT OUTPUT & DEEMPHASIS
RIGHT OUTPUT & DEEMPHASIS
LAMP DRIVER
GND

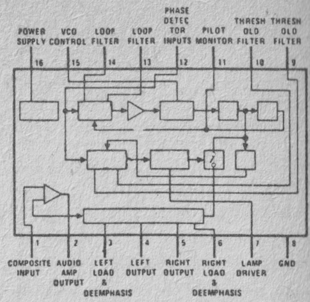
LR52


V−
+SIGNAL IN
1
10
9
−OUT
GAIN ADJUST
2
8
−CARRIER IN
GAIN ADJUST
3
7
+CARRIER IN
−SIGNAL IN
4
5
6
+OUT
BIAS

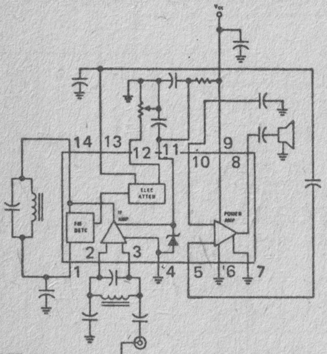
LR54


+SIGNAL IN
GAIN ADJUST
GAIN ADJUST
−SIGNAL IN
BIAS
+OUT
NC
V−
NC
−OUT
NC
−CARRIER IN
NC
+CARRIER IN

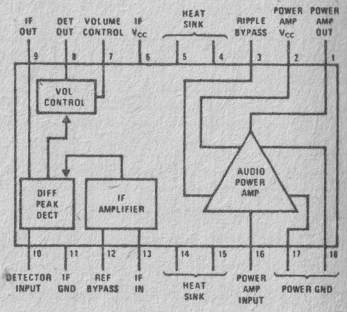
LR55


POWER SUPPLY
VCO CONTROL
LOOP FILTER
LOOP FILTER
PHASE DETECTOR INPUTS
PILOT MONITOR
THRESHOLD FILTER
THRESHOLD FILTER
COMPOSITE INPUT
AUDIO AMP OUTPUT
LEFT LOAD & DEEMPHASIS
LEFT OUTPUT
RIGHT OUTPUT
RIGHT LOAD & DEEMPHASIS
LAMP DRIVER
GND

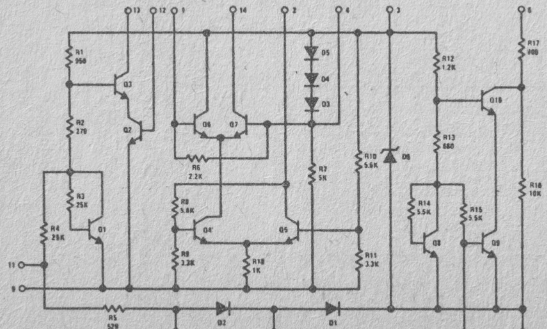
LR56


Vcc
ELEC ATTEN
PK DETC
POWER AMP

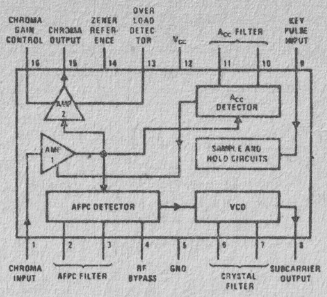
LR57


IF OUT
DET OUT
VOLUME CONTROL
IF Vcc
HEAT SINK
RIPPLE BYPASS
POWER AMP Vcc
POWER AMP OUT
VOL CONTROL
DIFF PEAK DECT
IF AMPLIFIER
AUDIO POWER AMP
DETECTOR INPUT
IF GND
REF BYPASS
IF IN
HEAT SINK
POWER AMP INPUT
POWER GND

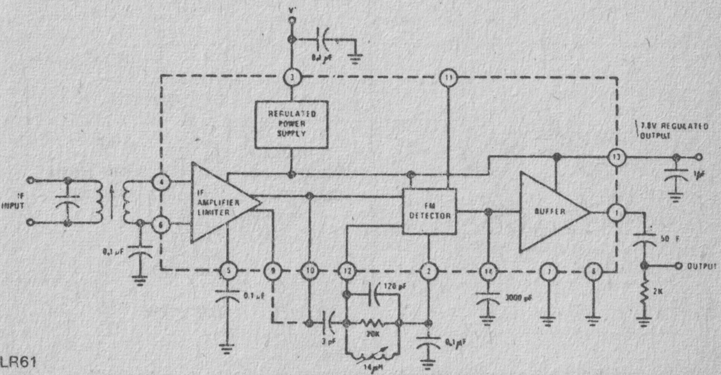
LR58



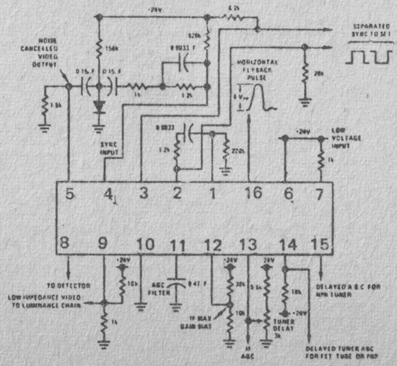
LR59


CHROMA GAIN CONTROL
CHROMA OUTPUT
ZENER REFERENCE
OVER LOAD DETECTOR
Vcc
Acc FILTER
KEY PULSE INPUT
AMP 2
AMP 1
Acc DETECTOR
SAMPLE AND HOLD CIRCUITS
AFPC DETECTOR
VCO
CHROMA INPUT
AFPC FILTER
RF BYPASS
GND
CRYSTAL FILTER
SUBCARRIER OUTPUT

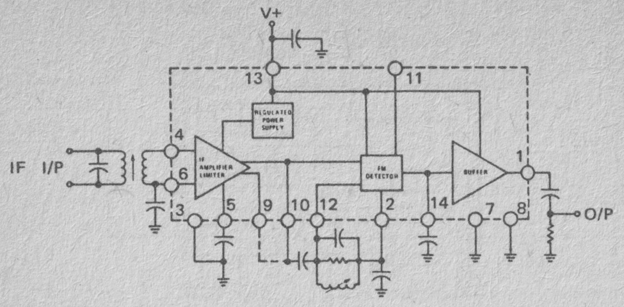
LR60


V+
REGULATED POWER SUPPLY
IF INPUT
IF AMPLIFIER LIMITER
FM DETECTOR
BUFFER
7.8V REGULATED OUTPUT
OUTPUT
2K
0.1 μF
3000 pF
120 pF
20K
14 μH
50 F

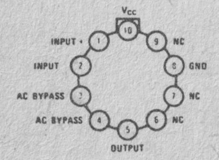
LR61


+24V
NOISE CANCELLED VIDEO OUTPUT
SEPARATED SYNC TO S.T.
HORIZONTAL FLYBACK PULSE
SYNC INPUT
LOW VOLTAGE INPUT
TO DETECTOR
LOW IMPEDANCE VIDEO TO LUMINANCE CHAIN
AGC FILTER
IF MAX GAIN BIAS
TUNER DELAY
DELAYED A.G.C FOR NPN TUNER
DELAYED TUNER AGC FOR FET TUBE OR PNP

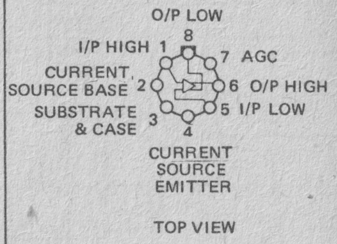
LR62


V+
13
11
REGULATED POWER SUPPLY
IF I/P
4
6
IF AMPLIFIER LIMITER
FM DETECTOR
BUFFER
1
3
5
9
10
12
2
14
7
8
O/P

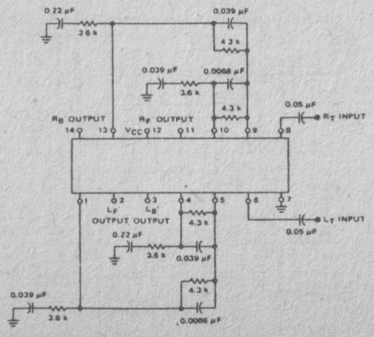
LR63


Vcc
10
INPUT
1
INPUT
2
AC BYPASS
3
AC BYPASS
4
5
OUTPUT
6
NC
7
NC
8
GND
9
NC

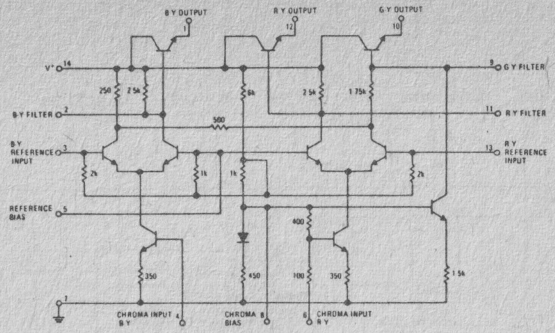
LR64


O/P LOW
8
I/P HIGH 1
7 AGC
CURRENT, SOURCE BASE 2
6 O/P HIGH
SUBSTRATE & CASE 3
5 I/P LOW
4
CURRENT SOURCE EMITTER
TOP VIEW

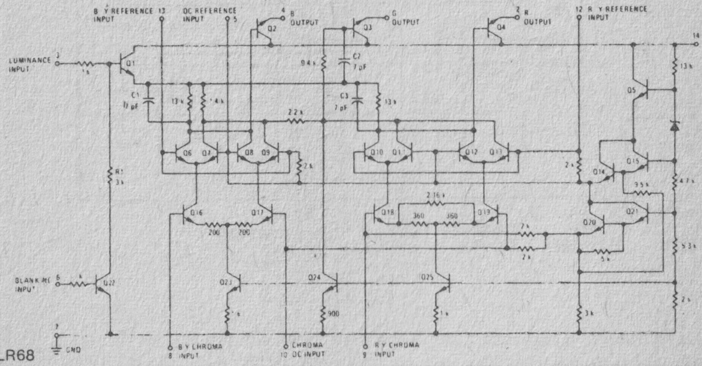
LR65


0.22 µF
3.6 k
0.039 µF
4.3 k
0.039 µF
3.6 k
0.0068 µF
4.3 k
RB OUTPUT
RF OUTPUT
Vcc
14
13
12
11
10
9
8
0.05 µF
RT INPUT
1
2
3
4
5
6
7
LF' OUTPUT
LB' OUTPUT
4.3 k
0.22 µF
3.6 k
0.039 µF
LT INPUT
0.05 µF
0.039 µF
3.6 k
4.3 k
0.0068 µF

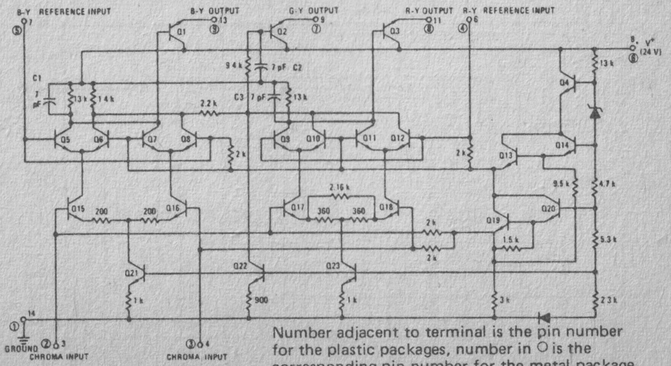
LR66


B-Y OUTPUT
1
R-Y OUTPUT
12
G-Y OUTPUT
10
V+ 14
9 G-Y FILTER
11 R-Y FILTER
B-Y FILTER 2
B-Y REFERENCE INPUT 3
13 R-Y REFERENCE INPUT
REFERENCE BIAS 5
250
2.5k
6k
2.5k
1.75k
500
2k
1k
1k
2k
400
350
450
100
350
1.5k
7
CHROMA INPUT B-Y 4
CHROMA BIAS 8
6 CHROMA INPUT R-Y

LR67

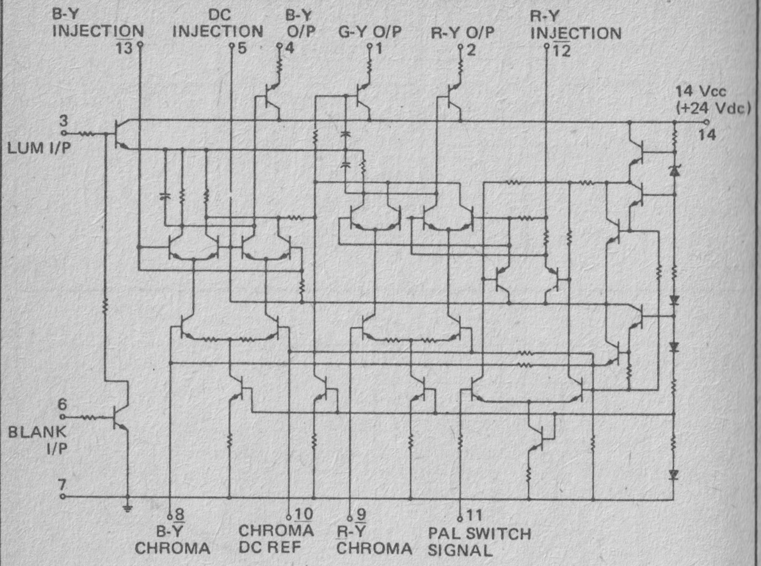

B-Y REFERENCE INPUT 13
DC REFERENCE INPUT 5
4 B OUTPUT
G OUTPUT
2 R OUTPUT
12 R-Y REFERENCE INPUT
14 V+
LUMINANCE INPUT 3
Q1
Q2
Q3
Q4
Q5
C1
C2
C3
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
Q17
Q18
Q19
Q20
Q21
Q22
Q23
Q24
Q25
BLANKING INPUT 6
7 GND
B-Y CHROMA 8 INPUT
CHROMA 10 DC INPUT
R-Y CHROMA 9 INPUT

LR68

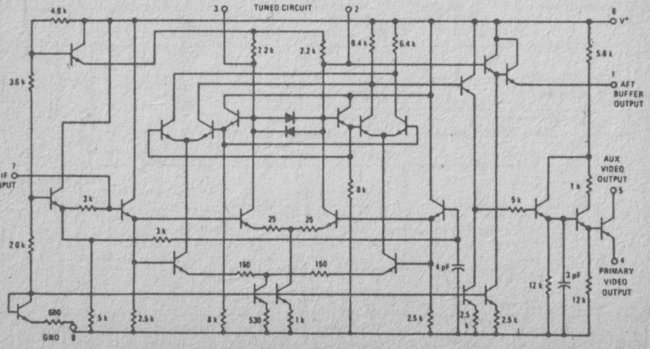

B-Y REFERENCE INPUT
⑤ 7
B-Y OUTPUT
13 ⑨
G-Y OUTPUT
9 ⑦
R-Y OUTPUT
11 ⑧
R-Y REFERENCE INPUT
8 ④
V+ (24 V)
9 ⑥
C1
C2
C3
9.4 k
7 pF
13 k
1.4 k
2.2 k
2 k
2.16 k
360
200
Q1
Q2
Q3
Q4
Q5
Q6
Q7
Q8
Q9
Q10
Q11
Q12
Q13
Q14
Q15
Q16
Q17
Q18
Q19
Q20
Q21
Q22
Q23
9.5 k
4.7 k
5.3 k
1.5 k
900
1 k
3 k
2.3 k
① 14
GROUND ② 3
CHROMA INPUT
③ 4
CHROMA INPUT

Number adjacent to terminal is the pin number for the plastic packages, number in ○ is the corresponding pin number for the metal package.

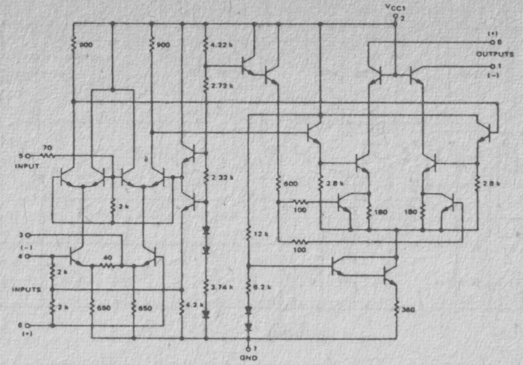
LR70


B-Y INJECTION
13
DC INJECTION
5
B-Y O/P
4
G-Y O/P
1
R-Y O/P
2
R-Y INJECTION
12
14 Vcc (+24 Vdc)
14
3
LUM I/P
6
BLANK I/P
7
8
B-Y CHROMA
10
CHROMA DC REF
9
R-Y CHROMA
11
PAL SWITCH SIGNAL

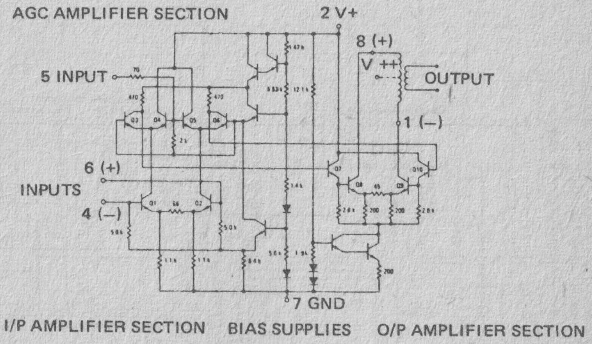
LR69


4.8 k
3
TUNED CIRCUIT
2
6
V+
2.2 k
2.2 k
8.4 k
6.4 k
5.6 k
1
AFT BUFFER OUTPUT
3.6 k
7
IF INPUT
3 k
3 k
8 k
25
25
AUX VIDEO OUTPUT
1 k
5
5 k
20 k
150
150
4 pF
4
PRIMARY VIDEO OUTPUT
12 k
3 pF
12 k
680
GND
8
5 k
2.5 k
8 k
530
1 k
2.5 k
2.5 k
2.5 k

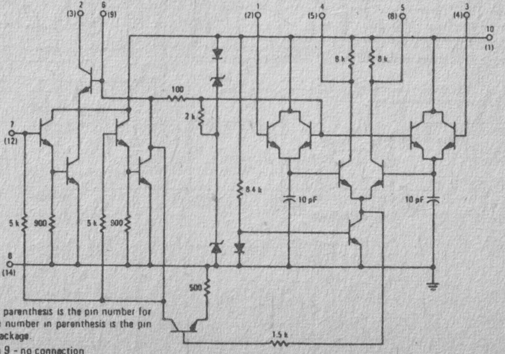
LR71


VCC1
2
900
900
4.22 k
2.72 k
(+)
8
OUTPUTS
1
(-)
70
5
INPUT
2.32 k
600
2.8 k
2.8 k
2 k
100
180
180
100
3
(-)
4
40
12 k
2 k
INPUTS
3.74 k
8.2 k
2 k
650
650
4.2 k
360
6
(+)
7
GND

LR72


AGC AMPLIFIER SECTION
2 V+
8 (+)
V ++
OUTPUT
5 INPUT
70
470
470
1.47 k
5.53 k
12.1 k
Q3
Q4
Q5
Q6
2 k
1 (–)
6 (+)
INPUTS
4 (–)
Q7
Q10
Q8
65
Q9
Q1
66
Q2
1.4 k
2.8 k
200
200
2.8 k
5.0 k
58 k
1.1 k
1.1 k
8.4 k
5.6 k
1.9 k
200
7 GND
I/P AMPLIFIER SECTION
BIAS SUPPLIES
O/P AMPLIFIER SECTION

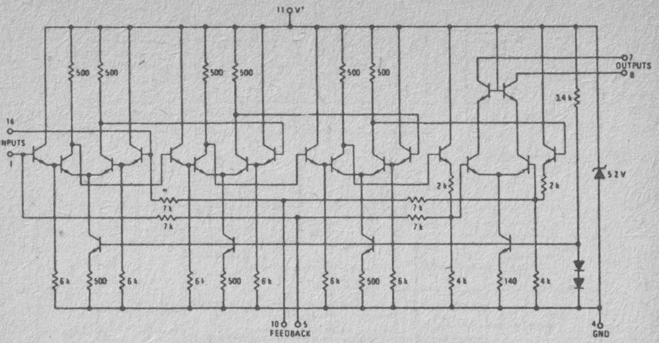
LR73


2
(3)
6
(9)
1
(2)
4
(5)
5
(8)
3
(4)
10
(1)
8 k
8 k
100
2 k
7
(12)
8.4 k
10 pF
10 pF
5 k
900
5 k
900
8
(14)
500
1.5 k

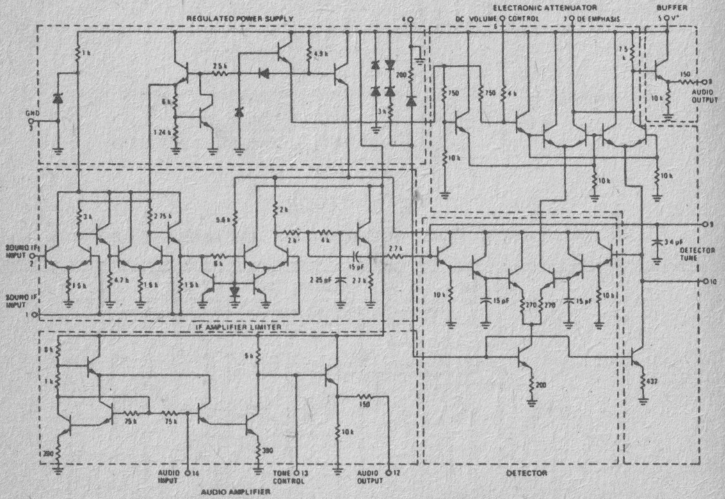
The number without parenthesis is the pin number for the metal package. The number in parenthesis is the pin number for the plastic package.

Metal Package, Pin 9 - no connection
Plastic Package, Pins 6,7,10,11,13 - no connection

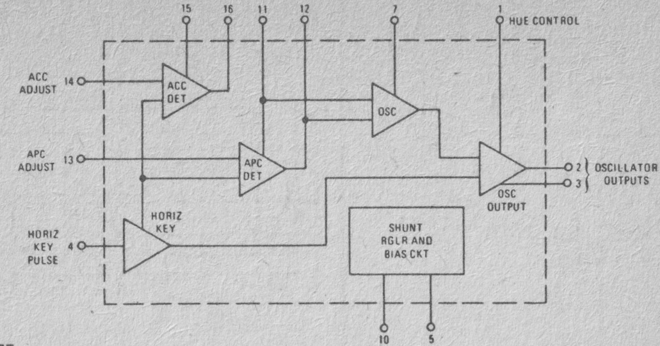
LR74


11 V+
500
16
INPUTS
1
7 OUTPUTS 8
3.4 k
5.2 V
2 k
7 k
6 k
4 k
140
10 5 FEEDBACK
4 GND

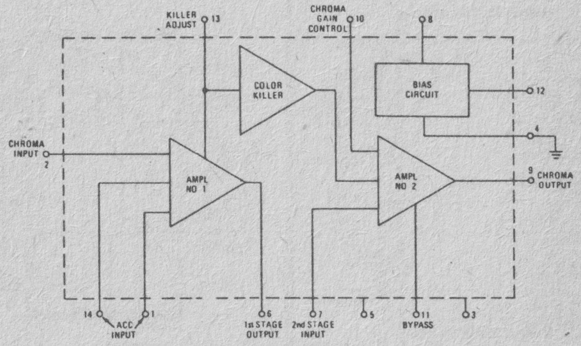
LR75


REGULATED POWER SUPPLY
ELECTRONIC ATTENUATOR
DC VOLUME 6 CONTROL
7 DE EMPHASIS
BUFFER
5 V+
4
GND 3
1 k
25 k
4.9 k
6 k
1.24 k
200
3 k
750
750
4 k
7.5 k
150
9 AUDIO OUTPUT
10 k
SOUND IF INPUT 2
SOUND IF INPUT 1
3 k
2.75 k
5.6 k
2 k
4 k
2.7 k
15 pF
2.25 pF
1.5 k
4.7 k
IF AMPLIFIER LIMITER
270
DETECTOR TUNE
3.4 pF
8
10
200
432
75 k
390
5 k
AUDIO INPUT 14
TONE CONTROL 13
AUDIO OUTPUT 12
AUDIO AMPLIFIER
DETECTOR

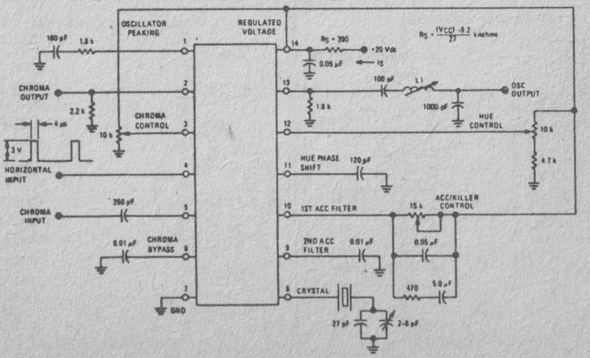
LR76


15
16
11
12
7
1 HUE CONTROL
ACC ADJUST 14
ACC DET
OSC
APC ADJUST 13
APC DET
OSC OUTPUT
2
3
OSCILLATOR OUTPUTS
HORIZ KEY
HORIZ KEY PULSE 4
SHUNT RGLR AND BIAS CKT
10
5

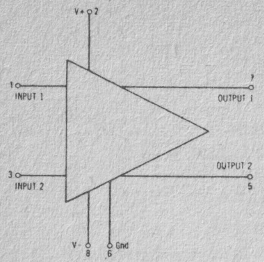
LR77


KILLER ADJUST 13
CHROMA GAIN CONTROL 10
8
COLOR KILLER
BIAS CIRCUIT
12
4
CHROMA INPUT 2
AMPL NO 1
AMPL NO 2
9 CHROMA OUTPUT
14
1
ACC INPUT
6 1st STAGE OUTPUT
7 2nd STAGE INPUT
5
11 BYPASS
3

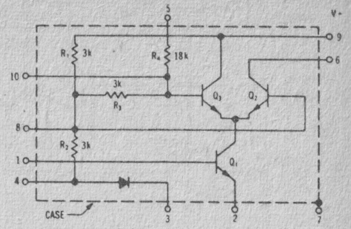
LR78


OSCILLATOR PEAKING
REGULATED VOLTAGE
180 pF
1.8 k
1
14
Rs = 390
+20 Vdc
0.05 µF
Is
Rs = (Vcc) -9.2 / 27 kilohms
CHROMA OUTPUT
2
13
100 pF
L1
OSC OUTPUT
2.2 k
1.8 k
1000 pF
CHROMA CONTROL
3
12
HUE CONTROL
10 k
4 µs
3 V
HORIZONTAL INPUT
4
11
HUE PHASE SHIFT
120 pF
4.7 k
250 pF
CHROMA INPUT
5
10
1ST ACC FILTER
15 k
ACC/KILLER CONTROL
0.01 µF
CHROMA BYPASS
6
9
2ND ACC FILTER
0.01 µF
0.05 µF
7
GND
8
CRYSTAL
470
5.0 µF
27 pF
2-8 pF

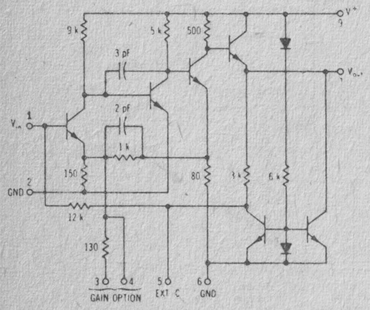
LR79


V+ 2
1
INPUT 1
7
OUTPUT 1
3
INPUT 2
OUTPUT 2
5
V- 8
6 Gnd

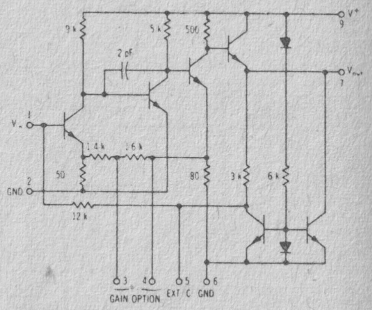
LR80


5
V+
9
6
10
8
1
4
R1 3k
R4 18k
3k
R3
R2 3k
Q3
Q2
Q1
CASE
3
2
7

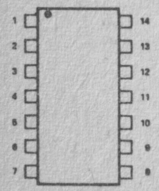
LR81


V+
9
9k
5k
500
3 pF
2 pF
1k
Vout
7
Vin 1
150
80
3k
6k
2
GND
12k
130
3 4
GAIN OPTION
5
EXT C
6
GND

LR82

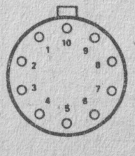

V+
9
9k
5k
500
2 pF
Vout
7
Vin 1
1.4k
1.6k
50
80
3k
6k
2
GND
12k
3 4
GAIN OPTION
5
EXT C
6
GND

LR83


1
2
3
4
5
6
7
14
13
12
11
10
9
8

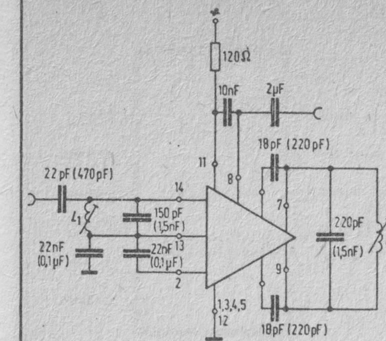
1. Feedback adjust
2. Input 1
3. NC
4. NC
5. Output 3
6. Input 2
7. Ground
8. Output 2
9. V^+
10. NC
11. NC
12. Buffer output
13. Buffer input
14. Output 1

LR84

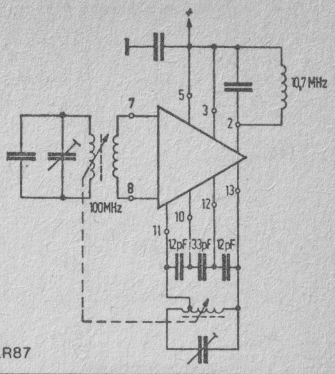

10
1
9
2
8
3
7
4
5
6

1. Ground
2. Output 3
3. Input 2
4. Output 2
5. V^+
6. Buffer output
7. Buffer input
8. Output 1
9. Feedback adjust
10. Input 1

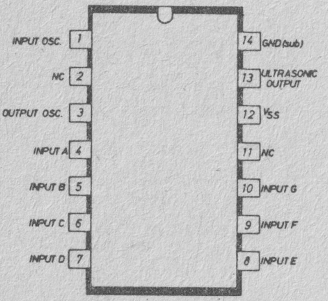
LR85


+
120Ω
10nF
2μF
18pF (220pF)
11
8
22pF (470pF)
14
L1
150 pF
(1,5nF)
22nF
(0,1μF)
22nF 13
(0,1μF)
2
7
220pF
(1,5nF)
L2
9
1,3,4,5
12
18pF (220pF)

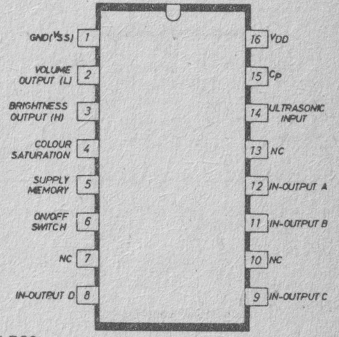
LR86


+
10,7MHz
5
3
2
7
8
100MHz
13
12
10
11
12pF
33pF
12pF

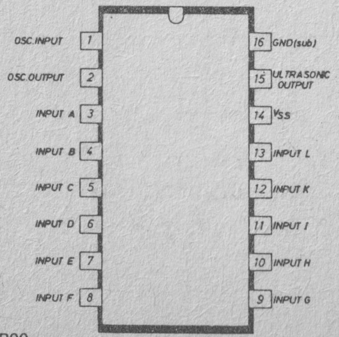
LR87


INPUT OSC. 1
NC 2
OUTPUT OSC. 3
INPUT A 4
INPUT B 5
INPUT C 6
INPUT D 7
14 GND (sub)
13 ULTRASONIC OUTPUT
12 VSS
11 NC
10 INPUT G
9 INPUT F
8 INPUT E

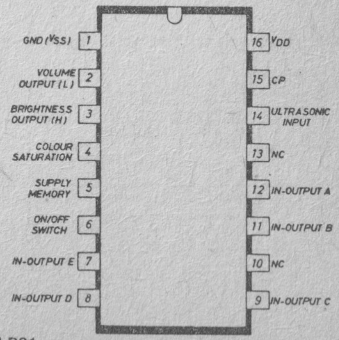
LR88


GND (VSS) 1
VOLUME OUTPUT (L) 2
BRIGHTNESS OUTPUT (H) 3
COLOUR SATURATION 4
SUPPLY MEMORY 5
ON/OFF SWITCH 6
NC 7
IN-OUTPUT D 8
16 VDD
15 CP
14 ULTRASONIC INPUT
13 NC
12 IN-OUTPUT A
11 IN-OUTPUT B
10 NC
9 IN-OUTPUT C

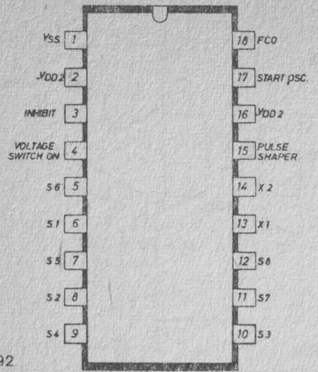
LR89


OSC.INPUT 1
OSC OUTPUT 2
INPUT A 3
INPUT B 4
INPUT C 5
INPUT D 6
INPUT E 7
INPUT F 8
16 GND (sub)
15 ULTRASONIC OUTPUT
14 VSS
13 INPUT L
12 INPUT K
11 INPUT I
10 INPUT H
9 INPUT G

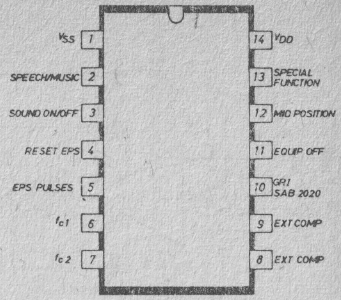
LR90


GND (VSS) 1
VOLUME OUTPUT (L) 2
BRIGHTNESS OUTPUT (H) 3
COLOUR SATURATION 4
SUPPLY MEMORY 5
ON/OFF SWITCH 6
IN-OUTPUT E 7
IN-OUTPUT D 8
16 VDD
15 CP
14 ULTRASONIC INPUT
13 NC
12 IN-OUTPUT A
11 IN-OUTPUT B
10 NC
9 IN-OUTPUT C

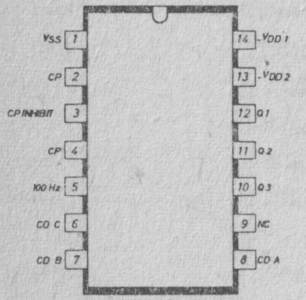
LR91


VSS 1
VDD2 2
INHIBIT 3
VOLTAGE SWITCH ON 4
S6 5
S1 6
S5 7
S2 8
S4 9
18 FCO
17 START OSC.
16 VDD 2
15 PULSE SHAPER
14 X 2
13 X1
12 S8
11 S7
10 S3

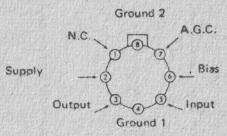
LR92


VSS 1
SPEECH/MUSIC 2
SOUND ON/OFF 3
RESET EPS 4
EPS PULSES 5
fc1 6
fc2 7
14 VDD
13 SPECIAL FUNCTION
12 MIC POSITION
11 EQUIP OFF
10 GR1 SAB 2020
9 EXT COMP
8 EXT COMP

LR93

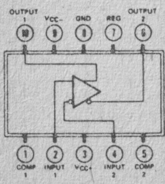

VSS 1
CP 2
CP INHIBIT 3
CP 4
100 Hz 5
CD C 6
CD B 7
14 VDD 1
13 VDD 2
12 Q1
11 Q2
10 Q3
9 NC
8 CD A

LR94

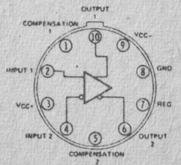

Ground 2
N.C.
A.G.C.
Supply
Bias
Output
Input
Ground 1
1
2
3
4
5
6
7
8

Pin 8 connected to case

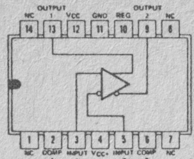
LR95


OUTPUT 1
VCC-
GND
REG
OUTPUT 2
10
9
8
7
6
1
2
3
4
5
COMP 1
INPUT 1
VCC+
INPUT 2
COMP 2

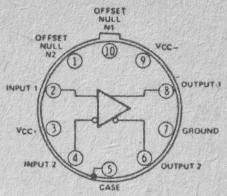
LR96


OUTPUT 1
COMPENSATION 1
VCC-
INPUT 1
GND
VCC+
REG
INPUT 2
OUTPUT 2
COMPENSATION 2
1
2
3
4
5
6
7
8
9
10

LR97

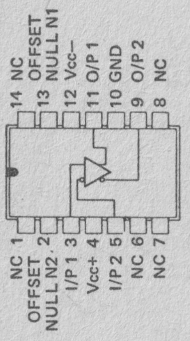

NC
OUTPUT 1
VCC
GND
REG
OUTPUT 2
NC
14
13
12
11
10
9
8
1
2
3
4
5
6
7
NC
COMP 1
INPUT 1
VCC+
INPUT 2
COMP 2
NC

LR98

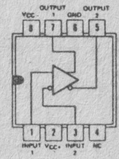

OFFSET NULL N1
OFFSET NULL N2
VCC-
INPUT 1
OUTPUT 1
VCC+
GROUND
INPUT 2
OUTPUT 2
CASE
1
2
3
4
5
6
7
8
9
10

THE CIRCUIT IS ELECTRICALLY INSULATED FROM THE CASE

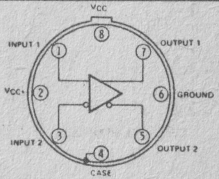
LR99


14 NC
13 OFFSET NULL N1
12 Vcc–
11 O/P 1
10 GND
9 O/P 2
8 NC
NC 1
OFFSET NULL N2 2
I/P 1 3
Vcc+ 4
I/P 2 5
NC 6
NC 7

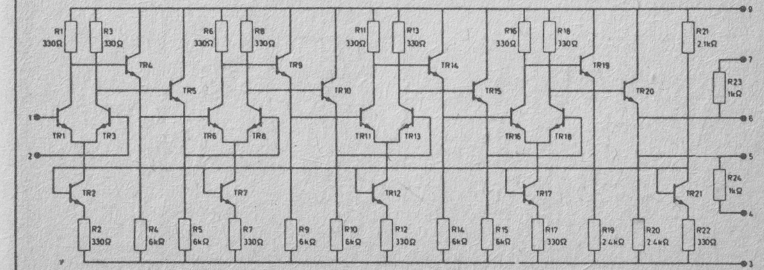
LR100


VCC-
OUTPUT 1
GND
OUTPUT 2
8
7
6
5
1
2
3
4
INPUT 1
VCC+
INPUT 2
NC

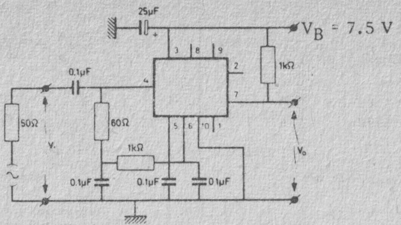
LR101


VCC
INPUT 1
OUTPUT 1
VCC+
GROUND
INPUT 2
OUTPUT 2
CASE
1
2
3
4
5
6
7
8

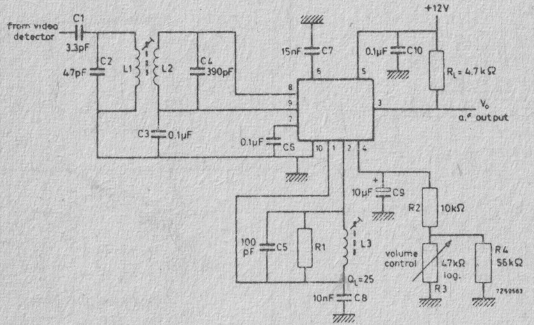
LR102


R1 330Ω
R3 330Ω
R6 330Ω
R8 330Ω
R11 330Ω
R13 330Ω
R16 330Ω
R18 330Ω
R21 2.1kΩ
R23 1kΩ
R24 1kΩ
TR1
TR2
TR3
TR4
TR5
TR6
TR7
TR8
TR9
TR10
TR11
TR12
TR13
TR14
TR15
TR16
TR17
TR18
TR19
TR20
TR21
R2 330Ω
R4 6kΩ
R5 6kΩ
R7 330Ω
R9 6kΩ
R10 6kΩ
R12 330Ω
R14 6kΩ
R15 6kΩ
R17 330Ω
R19 2.4kΩ
R20 2.4kΩ
R22 330Ω
1
2
3
4
5
6
7
9

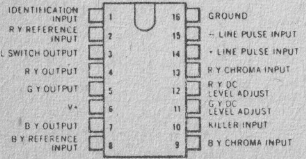
LR103


25µF
V_B = 7.5 V
3
8
9
2
1kΩ
0.1µF
4
7
50Ω
60Ω
V_i
1kΩ
5
6
10
1
V_o
0.1µF
0.1µF
0.1µF

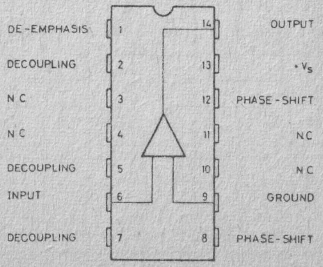
LR104


from video detector
C1
3.3pF
C2
47pF
L1
L2
C4
390pF
C3
0.1µF
15nF
C7
6
0.1µF
C10
5
+12V
R_L = 4.7 kΩ
8
9
7
3
V_o
a.f output
0.1µF
C6
10
1
2
4
10µF
C9
R2
10kΩ
100 pF
C5
R1
L3
Q_L = 25
10nF
C8
volume control
47kΩ log.
R3
R4
56kΩ
7Z59563

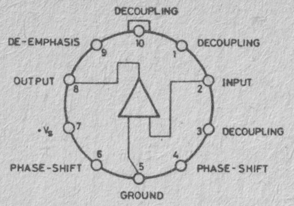
LR105


IDENTIFICATION INPUT
1
R Y REFERENCE INPUT
2
PAL SWITCH OUTPUT
3
R Y OUTPUT
4
G Y OUTPUT
5
V+
6
B Y OUTPUT
7
B Y REFERENCE INPUT
8
16
GROUND
15
− LINE PULSE INPUT
14
+ LINE PULSE INPUT
13
R Y CHROMA INPUT
12
R Y DC LEVEL ADJUST
11
G Y DC LEVEL ADJUST
10
KILLER INPUT
9
B Y CHROMA INPUT

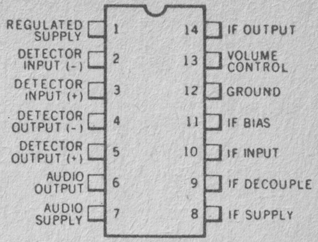
LR106


DE-EMPHASIS
1
DECOUPLING
2
N C
3
N C
4
DECOUPLING
5
INPUT
6
DECOUPLING
7
14
OUTPUT
13
+V_s
12
PHASE-SHIFT
11
NC
10
NC
9
GROUND
8
PHASE-SHIFT

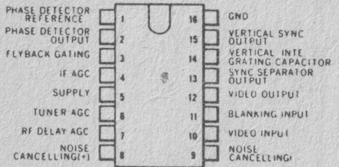
LR107


DECOUPLING
10
DE-EMPHASIS
9
DECOUPLING
1
OUTPUT
8
INPUT
2
+V_S
7
DECOUPLING
3
PHASE-SHIFT
6
PHASE-SHIFT
4
5
GROUND

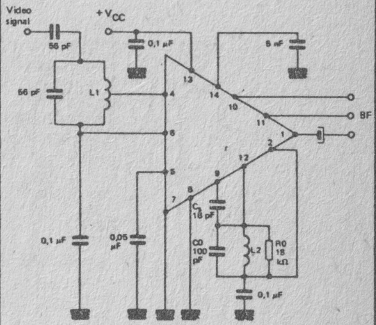
LR108


REGULATED SUPPLY
1
DETECTOR INPUT (−)
2
DETECTOR INPUT (+)
3
DETECTOR OUTPUT (−)
4
DETECTOR OUTPUT (+)
5
AUDIO OUTPUT
6
AUDIO SUPPLY
7
14
IF OUTPUT
13
VOLUME CONTROL
12
GROUND
11
IF BIAS
10
IF INPUT
9
IF DECOUPLE
8
IF SUPPLY

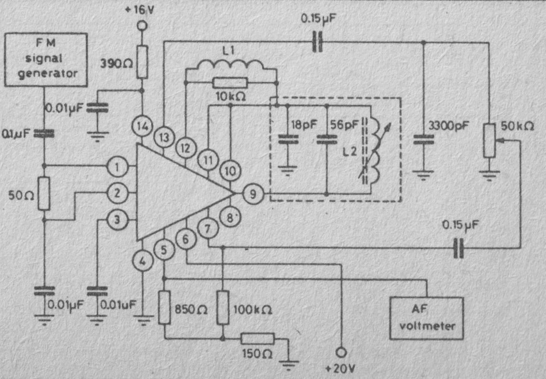
LR109


PHASE DETECTOR REFERENCE
1
PHASE DETECTOR OUTPUT
2
FLYBACK GATING
3
IF AGC
4
SUPPLY
5
TUNER AGC
6
RF DELAY AGC
7
NOISE CANCELLING(+)
8
16
GND
15
VERTICAL SYNC OUTPUT
14
VERTICAL INTEGRATING CAPACITOR
13
SYNC SEPARATOR OUTPUT
12
VIDEO OUTPUT
11
BLANKING INPUT
10
VIDEO INPUT
9
NOISE CANCELLING(

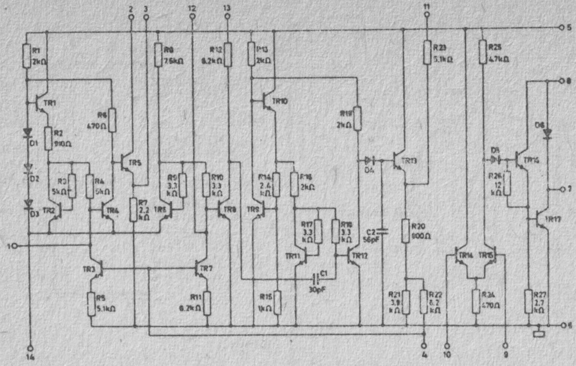
LR110


Video signal
56 pF
+V_CC
0,1 µF
5 nF
56 pF
L1
13
4
14
10
11
BF
1
6
2
12
5
9
8
7
C_1 18 pF
C0 100 pF
L2
R0 18 kΩ
0,1 µF
0,05 µF
0,1 µF

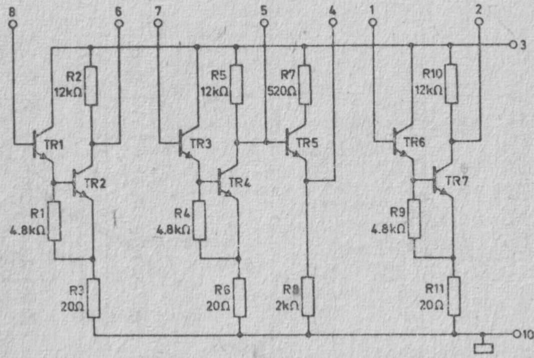
LR113


+16V
0.15µF
FM signal generator
390Ω
L1
10kΩ
0.01µF
0.1µF
14
13
12
11
10
18pF
56pF
L2
3300pF
50kΩ
1
2
3
9
8
50Ω
7
6
5
4
0.15µF
0.01µF
0.01µF
850Ω
100kΩ
AF voltmeter
150Ω
+20V

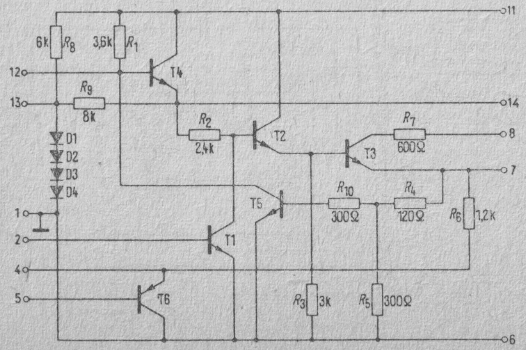
LR111



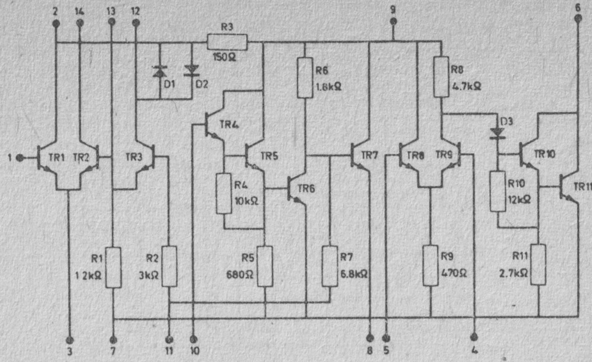
LR112



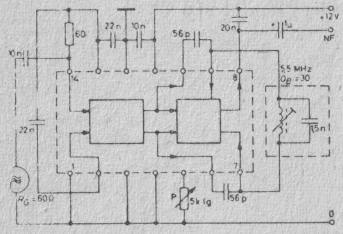
LR114



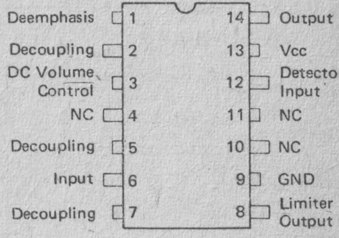
LR115



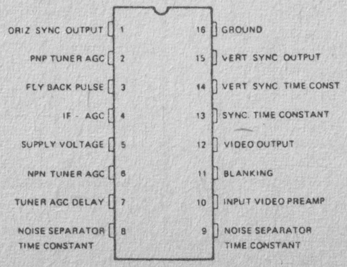
LR116



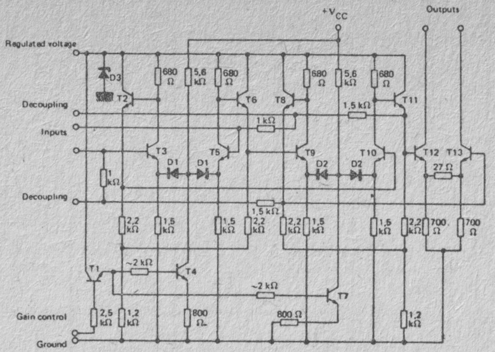
LR117


Deemphasis 1
Decoupling 2
DC Volume Control 3
NC 4
Decoupling 5
Input 6
Decoupling 7
14 Output
13 Vcc
12 Detector Input
11 NC
10 NC
9 GND
8 Limiter Output

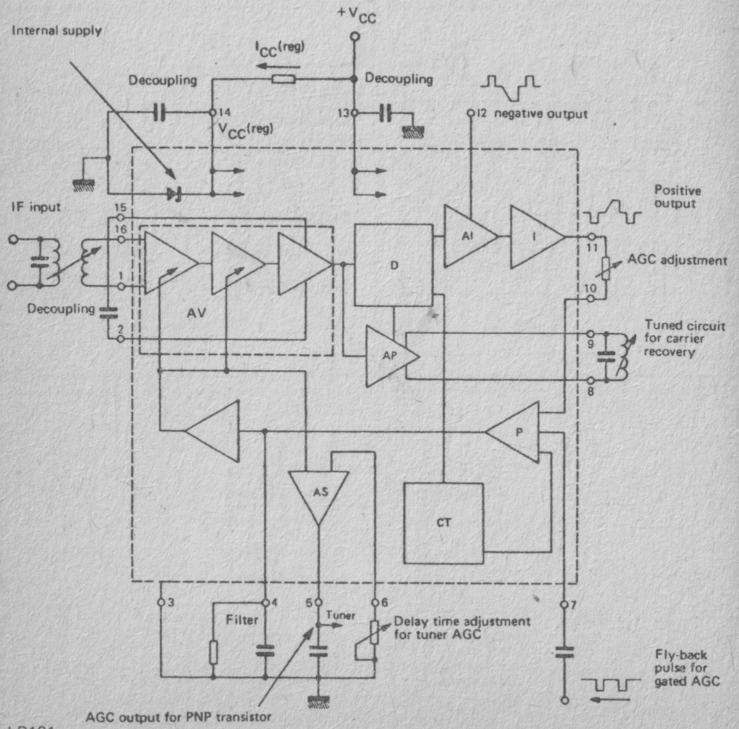
LR118


ORIZ SYNC OUTPUT 1
PNP TUNER AGC 2
FLY BACK PULSE 3
IF - AGC 4
SUPPLY VOLTAGE 5
NPN TUNER AGC 6
TUNER AGC DELAY 7
NOISE SEPARATOR TIME CONSTANT 8
16 GROUND
15 VERT SYNC OUTPUT
14 VERT SYNC TIME CONST
13 SYNC TIME CONSTANT
12 VIDEO OUTPUT
11 BLANKING
10 INPUT VIDEO PREAMP
9 NOISE SEPARATOR TIME CONSTANT

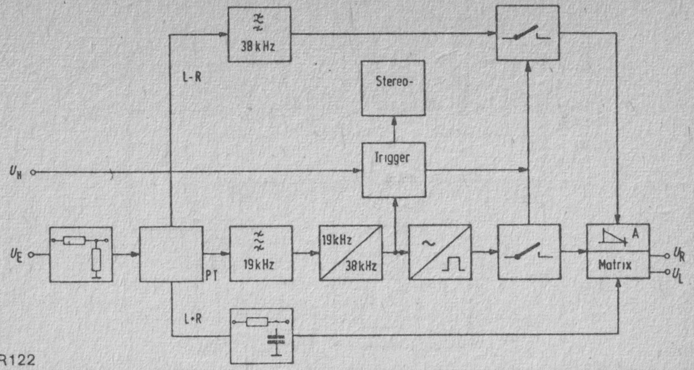
LR119


+V_CC
Outputs
Regulated voltage
Decoupling
Inputs
Decoupling
Gain control
Ground
D3
T1
T2
T3
T4
T5
T6
T7
T8
T9
T10
T11
T12
T13
D1
D1
D2
D2
680 Ω
5,6 kΩ
680 Ω
680 Ω
5,6 kΩ
680 Ω
1,5 kΩ
1 kΩ
1 kΩ
27 Ω
1,5 kΩ
2,2 kΩ
1,5 kΩ
1,5 kΩ
2,2 kΩ
2,2 kΩ
1,5 kΩ
1,5 kΩ
2,2 kΩ
700 Ω
700 Ω
~2 kΩ
~2 kΩ
800 Ω
2,5 kΩ
1,2 kΩ
800 Ω
1,2 kΩ

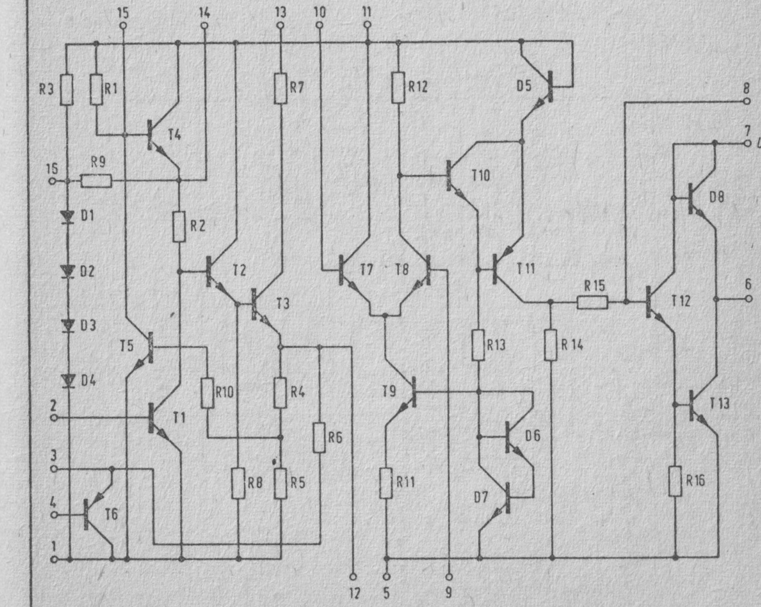
LR120


+V_CC
Internal supply
I_CC(reg)
Decoupling
Decoupling
14
V_CC(reg)
13
12 negative output
Positive output
IF input
15
16
1
2
Decoupling
AV
D
AI
I
AP
P
AS
CT
11
AGC adjustment
10
Tuned circuit for carrier recovery
9
8
3
4
Filter
5
Tuner
6
Delay time adjustment for tuner AGC
7
Fly-back pulse for gated AGC
AGC output for PNP transistor

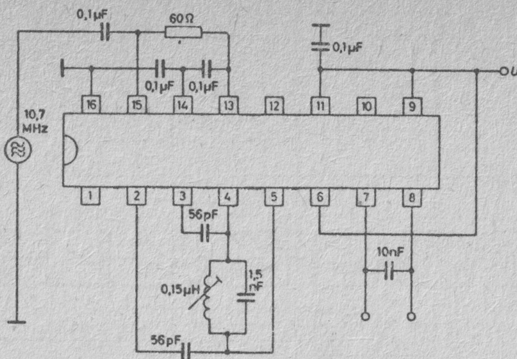
LR121


38 kHz
L-R
Stereo-
Trigger
U_H
U_E
PT
19 kHz
19 kHz
38 kHz
A
Matrix
U_R
U_L
L+R

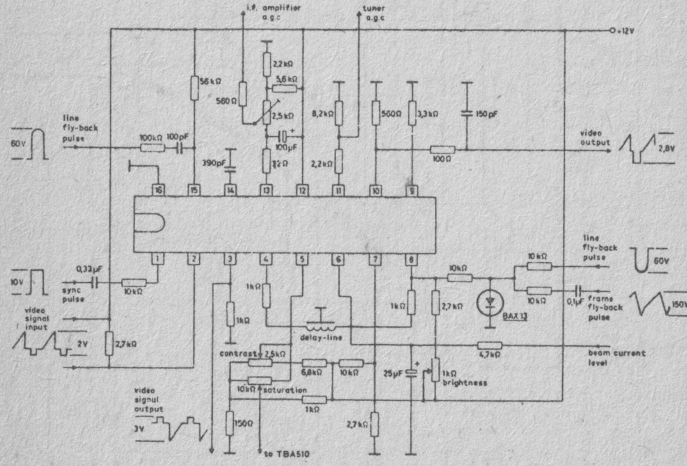
LR122


15
14
13
10
11
R3
R1
R7
R12
D5
8
7
U_a
T4
15
R9
T10
D8
D1
R2
D2
T2
T7
T8
T11
R15
T12
6
T3
D3
T5
R13
R14
D4
R10
R4
T9
2
T1
R6
D6
T13
3
R8
R5
R11
R16
4
T6
D7
1
12
5
9

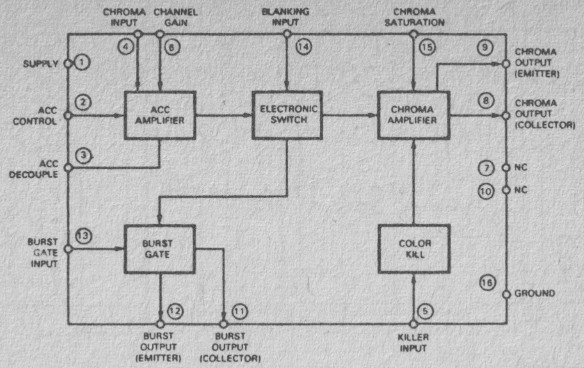
LR123


0,1µF
60Ω
0,1µF
0,1µF
0,1µF
U_p
10,7 MHz
56pF
0,15µH
1,5 nF
10nF
56pF

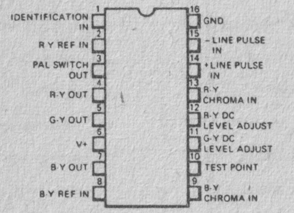
LR124


i.f. amplifier a.g.c
tuner a.g.c
+12V
56kΩ
560Ω
2,2kΩ
5,6kΩ
2,5kΩ
100µF
22Ω
8,2kΩ
2,2kΩ
560Ω
3,3kΩ
150pF
line fly-back pulse
60V
100kΩ
100pF
390pF
video output
100Ω
2,8V
10V
0,33µF
10kΩ
sync pulse
video signal input
2V
2,7kΩ
1kΩ
1kΩ
delay-line
contrast
2,5kΩ
6,8kΩ
10kΩ
10kΩ
saturation
1kΩ
150Ω
to TBA510
video signal output
3V
2,7kΩ
25µF
1kΩ brightness
1kΩ
2,7kΩ
10kΩ
BAX 13
10kΩ
10kΩ
0,1µF
line fly-back pulse
60V
frame fly-back pulse
150V
4,7kΩ
beam current level

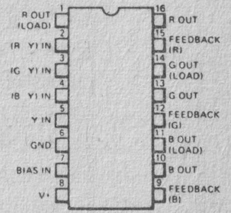
LR125


CHROMA INPUT
CHANNEL GAIN
BLANKING INPUT
CHROMA SATURATION
SUPPLY
ACC CONTROL
ACC DECOUPLE
BURST GATE INPUT
ACC AMPLIFIER
ELECTRONIC SWITCH
CHROMA AMPLIFIER
BURST GATE
COLOR KILL
CHROMA OUTPUT (EMITTER)
CHROMA OUTPUT (COLLECTOR)
NC
NC
GROUND
BURST OUTPUT (EMITTER)
BURST OUTPUT (COLLECTOR)
KILLER INPUT

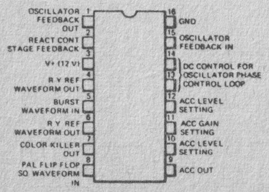
LR126


IDENTIFICATION IN
R Y REF IN
PAL SWITCH OUT
R-Y OUT
G-Y OUT
V+
B Y OUT
B-Y REF IN
GND
- LINE PULSE IN
+LINE PULSE IN
R-Y CHROMA IN
R-Y DC LEVEL ADJUST
G-Y DC LEVEL ADJUST
TEST POINT
B-Y CHROMA IN

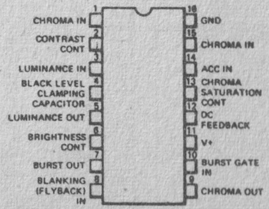
LR127


R OUT (LOAD)
(R Y) IN
(G Y) IN
(B Y) IN
Y IN
GND
BIAS IN
V+
R OUT
FEEDBACK (R)
G OUT (LOAD)
G OUT
FEEDBACK (G)
B OUT (LOAD)
B OUT
FEEDBACK (B)

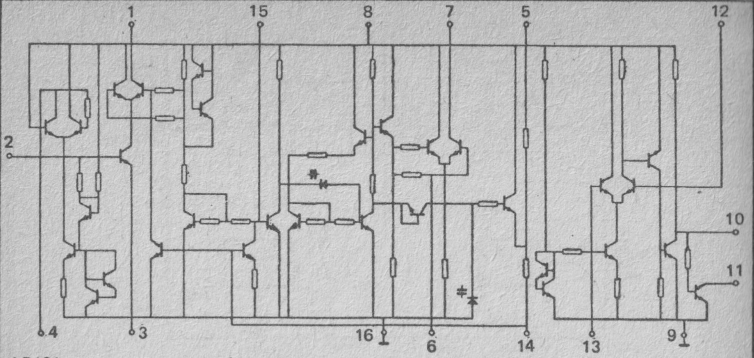
LR128


OSCILLATOR FEEDBACK OUT
REACT CONT STAGE FEEDBACK
V+ (12 V)
R Y REF WAVEFORM OUT
BURST WAVEFORM IN
R Y REF WAVEFORM OUT
COLOR KILLER OUT
PAL FLIP FLOP SQ WAVEFORM IN
GND
OSCILLATOR FEEDBACK IN
DC CONTROL FOR OSCILLATOR PHASE CONTROL LOOP
ACC LEVEL SETTING
ACC GAIN SETTING
ACC LEVEL SETTING
ACC OUT

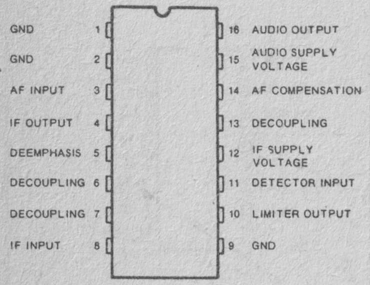
LR129


CHROMA IN
CONTRAST CONT
LUMINANCE IN
BLACK LEVEL CLAMPING CAPACITOR
LUMINANCE OUT
BRIGHTNESS CONT
BURST OUT
BLANKING (FLYBACK) IN
GND
CHROMA IN
ACC IN
CHROMA SATURATION CONT
DC FEEDBACK
V+
BURST GATE IN
CHROMA OUT

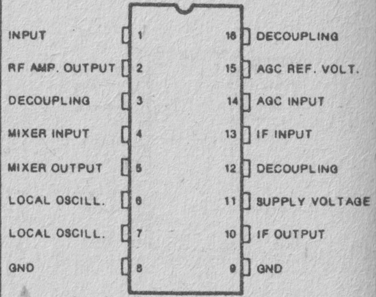
LR130


1
15
8
7
5
12
2
10
11
4
3
16
6
14
13
9

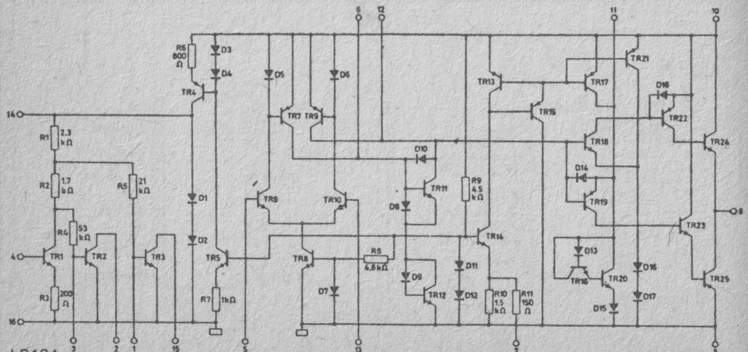
LR131


GND 1
GND 2
AF INPUT 3
IF OUTPUT 4
DEEMPHASIS 5
DECOUPLING 6
DECOUPLING 7
IF INPUT 8
16 AUDIO OUTPUT
15 AUDIO SUPPLY VOLTAGE
14 AF COMPENSATION
13 DECOUPLING
12 IF SUPPLY VOLTAGE
11 DETECTOR INPUT
10 LIMITER OUTPUT
9 GND

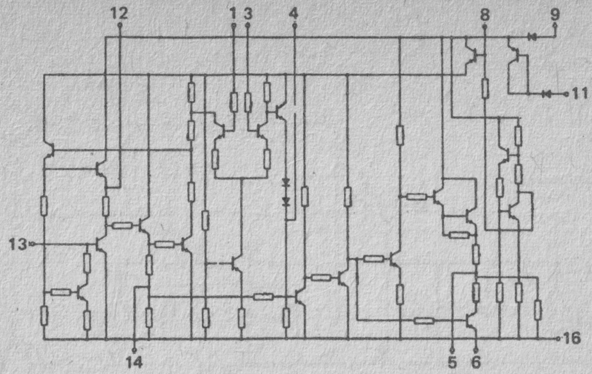
LR132


INPUT 1
RF AMP. OUTPUT 2
DECOUPLING 3
MIXER INPUT 4
MIXER OUTPUT 5
LOCAL OSCILL. 6
LOCAL OSCILL. 7
GND 8
16 DECOUPLING
15 AGC REF. VOLT.
14 AGC INPUT
13 IF INPUT
12 DECOUPLING
11 SUPPLY VOLTAGE
10 IF OUTPUT
9 GND

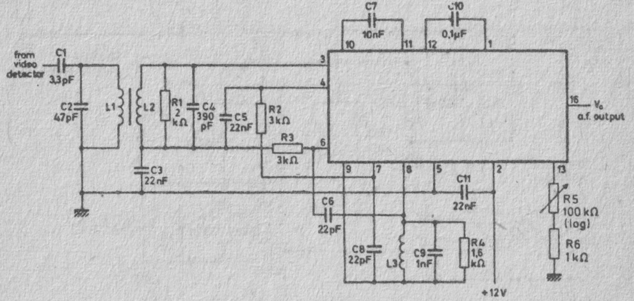
LR133


6
12
11
10
R6 800 Ω
D3
D4
TR4
D5
D6
TR7 TR9
TR13
TR15
TR17
TR21
D18
TR22
TR18
TR24
14
R1 2,3 kΩ
R2 1,7 kΩ
R5 21 kΩ
R4 53 kΩ
D1
D2
D10
TR11
D14
TR19
TR9
TR10
D8
R9 4,5 kΩ
4
TR1
TR2
TR3
TR5
TR8
R8 6,8 kΩ
D9
TR14
D11
D12
TR12
R10 1,5 kΩ
R11 150 Ω
D13
TR16
TR20
D16
D17
D15
TR23
TR25
9
R3 200 Ω
R7 1kΩ
D7
16
3
2
1
15
5
13
7
8

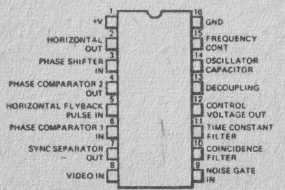
LR134


12
1 3
4
8
9
11
13
10
14
5 6
16

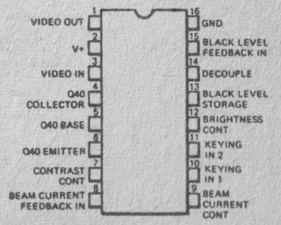
LR135


from video detector
C1 3,3pF
C2 47pF
L1
L2
R1 2 kΩ
C4 390 pF
C5 22nF
R2 3kΩ
R3 3kΩ
C3 22nF
C7 10nF
C10 0,1μF
10
11
12
1
3
4
6
16
V_o a.f. output
9
7
8
5
2
13
C11 22nF
C6 22pF
C8 22pF
L3
C9 1nF
R4 1,6 kΩ
+12V
R5 100 kΩ (log)
R6 1kΩ

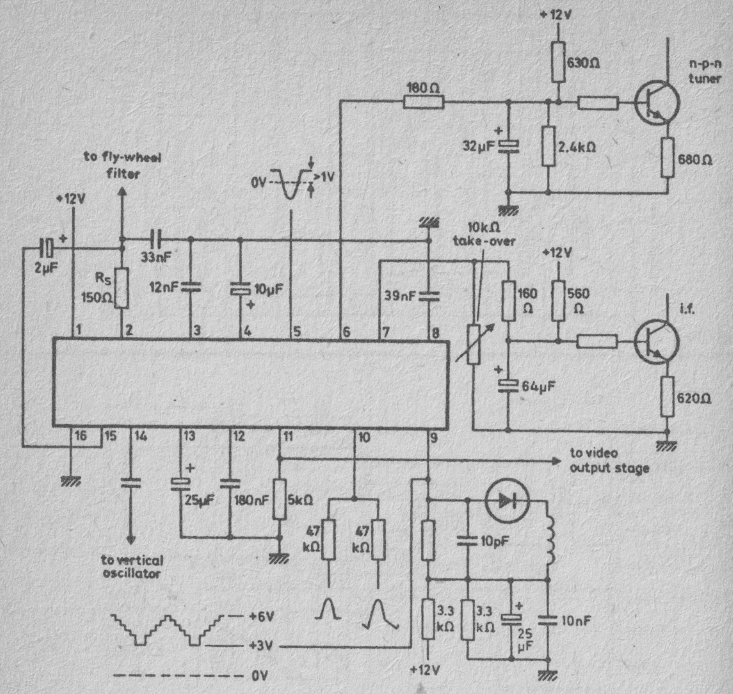
LR136


1 +V
2 HORIZONTAL OUT
3 PHASE SHIFTER IN
4 PHASE COMPARATOR 2 OUT
5 HORIZONTAL FLYBACK PULSE IN
6 PHASE COMPARATOR 1 IN
7 SYNC SEPARATOR OUT
8 VIDEO IN
16 GND
15 FREQUENCY CONT
14 OSCILLATOR CAPACITOR
13 DECOUPLING
12 CONTROL VOLTAGE OUT
11 TIME CONSTANT FILTER
10 COINCIDENCE FILTER
9 NOISE GATE IN

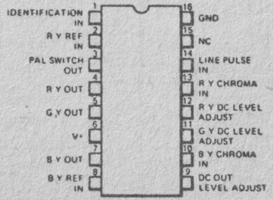
LR138


1 VIDEO OUT
2 V+
3 VIDEO IN
4 Q40 COLLECTOR
5 Q40 BASE
6 Q40 EMITTER
7 CONTRAST CONT
8 BEAM CURRENT FEEDBACK IN
16 GND
15 BLACK LEVEL FEEDBACK IN
14 DECOUPLE
13 BLACK LEVEL STORAGE
12 BRIGHTNESS CONT
11 KEYING IN 2
10 KEYING IN 1
9 BEAM CURRENT CONT

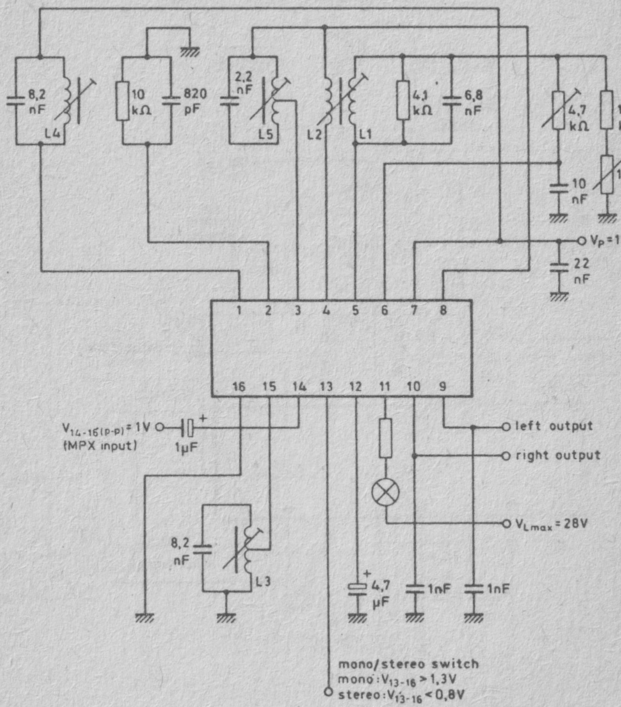
LR139


+12V
630Ω
n-p-n
tuner
180Ω
32μF
2.4kΩ
680Ω
to fly-wheel
filter
+12V
0V
>1V
10kΩ
take-over
2μF
33nF
RS
150Ω
12nF
10μF
39nF
160
Ω
560
Ω
i.f.
64μF
620Ω
1
2
3
4
5
6
7
8
16
15
14
13
12
11
10
9
to video
output stage
25μF
180nF
5kΩ
47
kΩ
47
kΩ
10pF
to vertical
oscillator
+6V
+3V
0V
3.3
kΩ
3.3
kΩ
25
μF
10nF
+12V

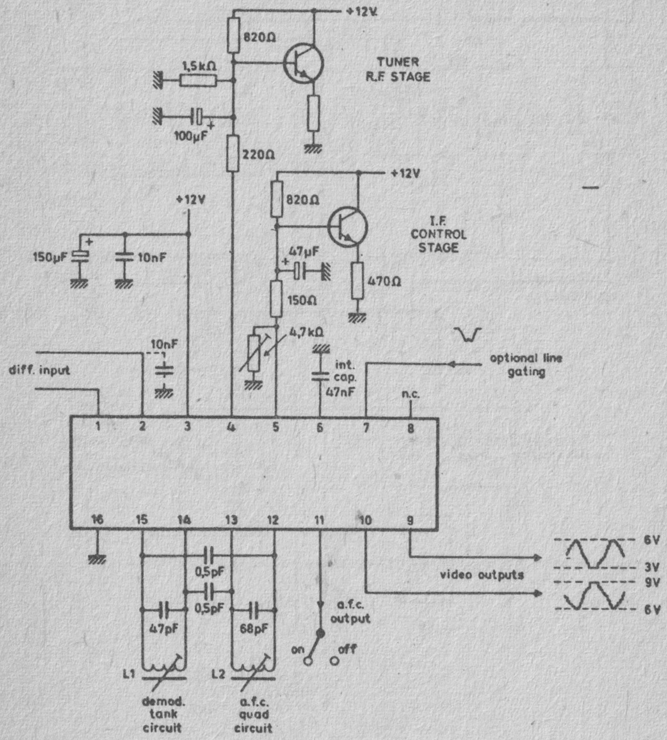
LR137


IDENTIFICATION
IN
R Y REF
IN
PAL SWITCH
OUT
R Y OUT
G Y OUT
V+
B Y OUT
B Y REF
IN
1
2
3
4
5
6
7
8
16
15
14
13
12
11
10
9
GND
NC
LINE PULSE
IN
R Y CHROMA
IN
R Y DC LEVEL
ADJUST
G Y DC LEVEL
ADJUST
B Y CHROMA
IN
DC OUT
LEVEL ADJUST

LR140

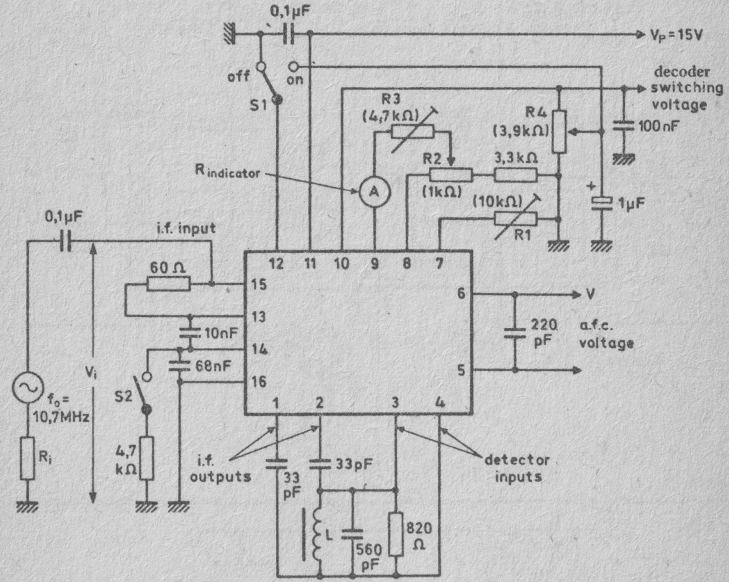

8,2
nF
L4
10
kΩ
820
pF
2,2
nF
L5
L2
L1
4,1
kΩ
6,8
nF
4,7
kΩ
1,5
kΩ
10
nF
1kΩ
VP=15V
22
nF
1
2
3
4
5
6
7
8
16
15
14
13
12
11
10
9
V14-16(p-p)=1V
(MPX input)
1μF
left output
right output
VLmax=28V
8,2
nF
L3
4,7
μF
1nF
1nF
mono/stereo switch
mono: V13-16 > 1,3V
stereo: V13-16 < 0,8V

LR141



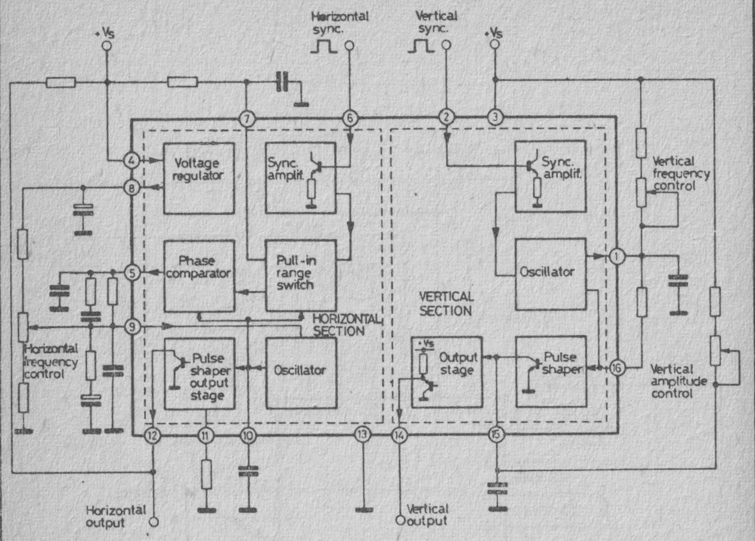
+12V
820Ω
1,5kΩ
100μF
220Ω
TUNER
R.F. STAGE
+12V
820Ω
I.F.
CONTROL
STAGE
47μF
150Ω
470Ω
4,7kΩ
+12V
150μF
10nF
10nF
diff. input
int. cap. 47nF
optional line gating
n.c.
1
2
3
4
5
6
7
8
16
15
14
13
12
11
10
9
0,5pF
0,5pF
47pF
68pF
L1
L2
demod. tank circuit
a.f.c. quad circuit
a.f.c. output
on
off
video outputs
6V
3V
9V
6V

LR142

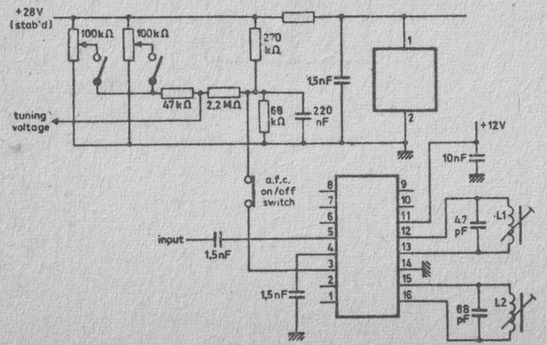


0,1μF
$V_P = 15V$
off
on
S1
decoder switching voltage
R3 (4,7kΩ)
R4 (3,9kΩ)
100nF
$R_{indicator}$
A
R2 (1kΩ)
3,3kΩ
(10kΩ)
R1
1μF
0,1μF
i.f. input
60 Ω
10nF
68nF
12
11
10
9
8
7
15
13
14
16
6
5
1
2
3
4
V_i
$f_o =$ 10,7MHz
R_i
S2
4,7 kΩ
i.f. outputs
33 pF
33pF
L
560 pF
820 Ω
detector inputs
220 pF
V
a.f.c. voltage

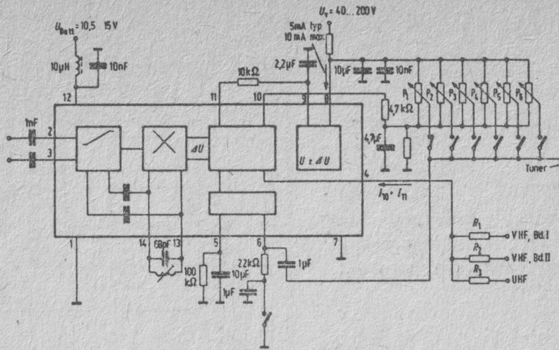
LR143


+Vs
Horizontal sync.
Vertical sync.
+Vs
Voltage regulator
Sync. amplif.
Sync. amplif.
Phase comparator
Pull-in range switch
Oscillator
VERTICAL SECTION
HORIZONTAL SECTION
Pulse shaper output stage
Oscillator
Output stage
Pulse shaper
Vertical frequency control
Vertical amplitude control
Horizontal frequency control
Horizontal output
Vertical output
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16

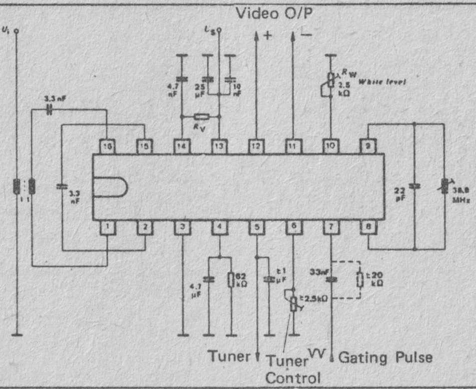
LR144


+28V (stab'd)
100kΩ
100kΩ
270 kΩ
1,5nF
47kΩ
2,2MΩ
68 kΩ
220 nF
tuning voltage
+12V
10nF
a.f.c. on/off switch
input
1,5nF
1,5nF
47 pF
L1
68 pF
L2
1
2

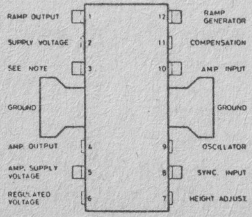
LR14


U_{Batt} = 10,5 15V
10µH
10nF
U_v = 40...200V
5mA typ
10 mA max
2,2µF
10kΩ
10µF
10nF
P_1
P_2
P_3
P_4
P_5
P_6
4,7kΩ
4,7µF
1nF
ΔU
U ± ΔU
Tuner
$I_{10} + I_{11}$
R_1
VHF, Bd.I
R_2
VHF, Bd.II
R_3
UHF
68pF
100 kΩ
10µF
1µF
22kΩ
1µF

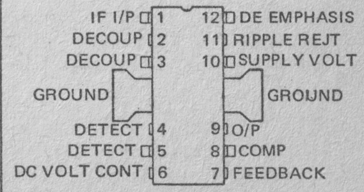
LR146


Video O/P
U_i
U_s
+
−
4.7 nF
25 µF
10 nF
R_V
R_W
2.5 kΩ
White level
3.3 nF
3.3 nF
22 pF
38.9 MHz
4.7 µF
62 kΩ
±1 µF
33nF
±20 kΩ
±2.5kΩ
Tuner
Tuner Control
VV
Gating Pulse

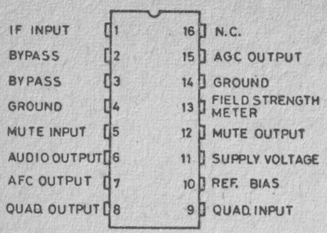
LR147


RAMP OUTPUT 1
SUPPLY VOLTAGE 2
SEE NOTE 3
GROUND
AMP. OUTPUT 4
AMP. SUPPLY VOLTAGE 5
REGULATED VOLTAGE 6
12 RAMP GENERATOR
11 COMPENSATION
10 AMP INPUT
GROUND
9 OSCILLATOR
8 SYNC. INPUT
7 HEIGHT ADJUST.

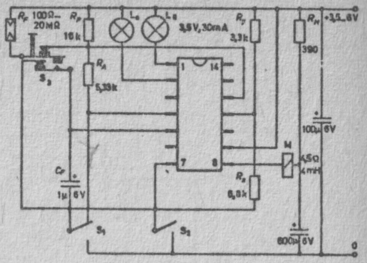
LR148


IF I/P 1
DECOUP 2
DECOUP 3
GROUND
DETECT 4
DETECT 5
DC VOLT CONT 6
12 DE EMPHASIS
11 RIPPLE REJT
10 SUPPLY VOLT
GROUND
9 O/P
8 COMP
7 FEEDBACK

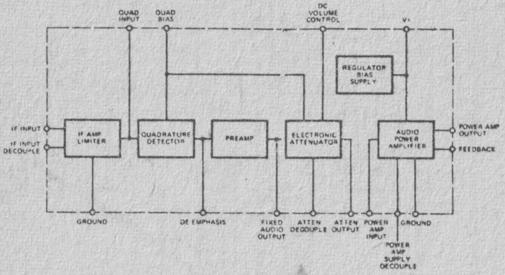
LR149


IF INPUT
BYPASS
BYPASS
GROUND
MUTE INPUT
AUDIO OUTPUT
AFC OUTPUT
QUAD. OUTPUT
1
2
3
4
5
6
7
8
16
15
14
13
12
11
10
9
N.C.
AGC OUTPUT
GROUND
FIELD STRENGTH METER
MUTE OUTPUT
SUPPLY VOLTAGE
REF. BIAS
QUAD. INPUT

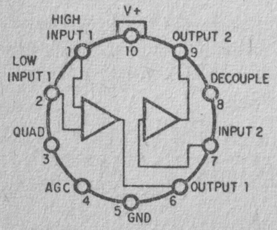
LR150


R_F 100Ω–20MΩ
R_P 16k
L_a
L_B
3,5V, 30mA
R_V 3,3k
R_H 390
+3,5...6V
S_3
R_A 5,33k
1
14
7
8
100µ 6V
M
4,5Ω 4mH
C_F 1µ 6V
R_B 6,8k
S_1
S_2
600µ 6V
0

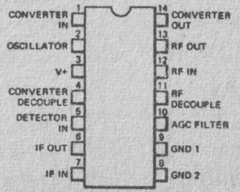
LR151


QUAD INPUT
QUAD BIAS
DC VOLUME CONTROL
V+
REGULATOR BIAS SUPPLY
IF INPUT
IF INPUT DECOUPLE
IF AMP LIMITER
QUADRATURE DETECTOR
PREAMP
ELECTRONIC ATTENUATOR
AUDIO POWER AMPLIFIER
POWER AMP OUTPUT
FEEDBACK
GROUND
DE EMPHASIS
FIXED AUDIO OUTPUT
ATTEN DECOUPLE
ATTEN OUTPUT
POWER AMP INPUT
GROUND
POWER AMP SUPPLY DECOUPLE

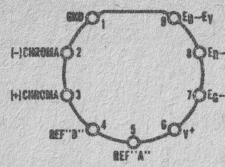
LR152


V+
HIGH INPUT 1
1
10
OUTPUT 2
9
LOW INPUT 1
2
DECOUPLE
8
QUAD
3
INPUT 2
7
AGC
4
5
GND
6
OUTPUT 1

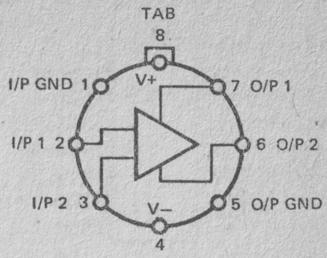
LR153


CONVERTER IN
1
OSCILLATOR
2
V+
3
CONVERTER DECOUPLE
4
DETECTOR IN
5
IF OUT
6
IF IN
7
14
CONVERTER OUT
13
RF OUT
12
RF IN
11
RF DECOUPLE
10
AGC FILTER
9
GND 1
8
GND 2

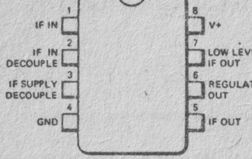
LR154


GND
1
(–) CHROMA
2
(+) CHROMA
3
REF "B"
4
5
REF "A"
6
V+
7
E_G-E_Y
8
E_R-E_Y
9
E_B-E_Y

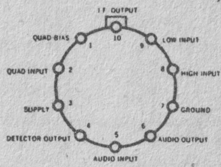
LR155


TAB
8
I/P GND 1
V+
7 O/P 1
I/P 1 2
6 O/P 2
I/P 2 3
V–
5 O/P GND
4

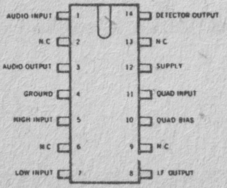
LR156


1
IF IN
2
IF IN DECOUPLE
3
IF SUPPLY DECOUPLE
4
GND
8
V+
7
LOW LEVEL IF OUT
6
REGULATOR OUT
5
IF OUT

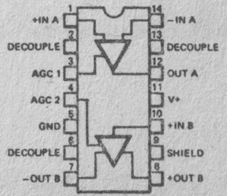
LR157


I.F. OUTPUT
10
QUAD BIAS
1
LOW INPUT
9
QUAD INPUT
2
HIGH INPUT
8
SUPPLY
3
GROUND
7
DETECTOR OUTPUT
4
5
AUDIO INPUT
6
AUDIO OUTPUT

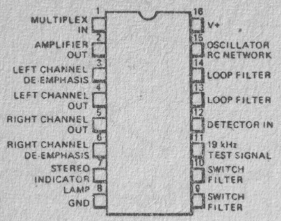
LR158


AUDIO INPUT
1
N.C
2
AUDIO OUTPUT
3
GROUND
4
HIGH INPUT
5
N.C
6
LOW INPUT
7
14
DETECTOR OUTPUT
13
N.C
12
SUPPLY
11
QUAD INPUT
10
QUAD BIAS
9
N.C
8
I.F. OUTPUT

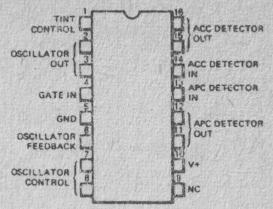
LR159


+IN A
1
DECOUPLE
2
AGC 1
3
AGC 2
4
GND
5
DECOUPLE
6
–OUT B
7
14
–IN A
13
DECOUPLE
12
OUT A
11
V+
10
+IN B
9
SHIELD
8
+OUT B

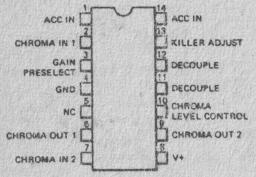
LR160


1
MULTIPLEX IN
2
AMPLIFIER OUT
3
LEFT CHANNEL DE-EMPHASIS
4
LEFT CHANNEL OUT
5
RIGHT CHANNEL OUT
6
RIGHT CHANNEL DE-EMPHASIS
7
STEREO INDICATOR LAMP
8
GND
16
V+
15
OSCILLATOR RC NETWORK
14
LOOP FILTER
13
LOOP FILTER
12
DETECTOR IN
11
19 kHz TEST SIGNAL
10
SWITCH FILTER
9
SWITCH FILTER

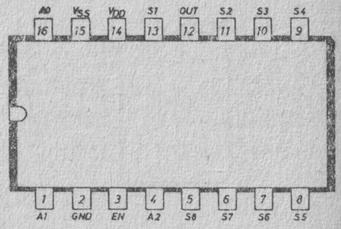
LR161


1
TINT CONTROL
2
OSCILLATOR OUT
3
4
GATE IN
5
GND
6
OSCILLATOR FEEDBACK
7
OSCILLATOR CONTROL
8
16
ACC DETECTOR OUT
15
14
ACC DETECTOR IN
13
APC DETECTOR IN
12
APC DETECTOR OUT
11
10
V+
9
NC

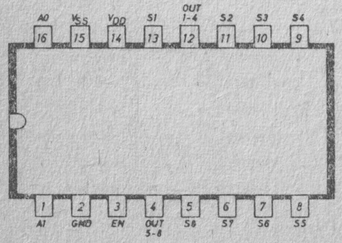
LR162


1
ACC IN
2
CHROMA IN 1
3
GAIN PRESELECT
4
GND
5
NC
6
CHROMA OUT 1
7
CHROMA IN 2
14
ACC IN
13
KILLER ADJUST
12
DECOUPLE
11
DECOUPLE
10
CHROMA LEVEL CONTROL
9
CHROMA OUT 2
8
V+

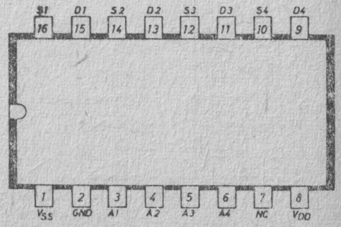
LR163


A0
16
V_{SS}
15
V_{DD}
14
S1
13
OUT
12
S2
11
S3
10
S4
9
1
A1
2
GND
3
EN
4
A2
5
S8
6
S7
7
S6
8
S5

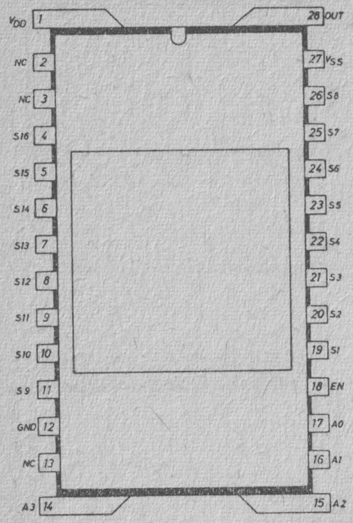
LS1


A0
16
V_{SS}
15
V_{DD}
14
S1
13
OUT 1-4
12
S2
11
S3
10
S4
9
1
A1
2
GND
3
EN
4
OUT 5-8
5
S8
6
S7
7
S6
8
S5

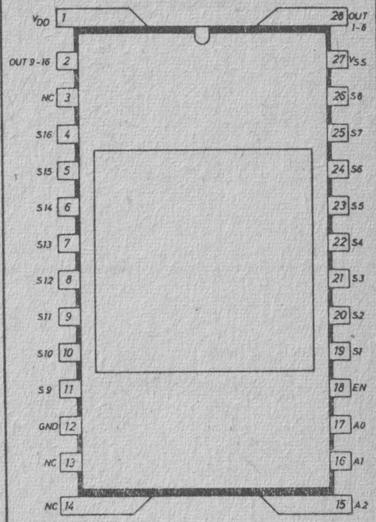
LS2


S1
16
D1
15
S2
14
D2
13
S3
12
D3
11
S4
10
D4
9
1
V_{SS}
2
GND
3
A1
4
A2
5
A3
6
A4
7
NC
8
V_{DD}

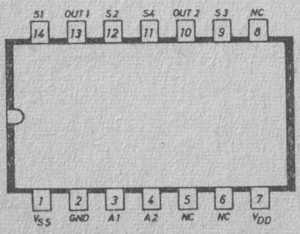
LS5


V_{DD}
1
NC
2
NC
3
S16
4
S15
5
S14
6
S13
7
S12
8
S11
9
S10
10
S9
11
GND
12
NC
13
A3
14
28
OUT
27
V_{SS}
26
S8
25
S7
24
S6
23
S5
22
S4
21
S3
20
S2
19
S1
18
EN
17
A0
16
A1
15
A2

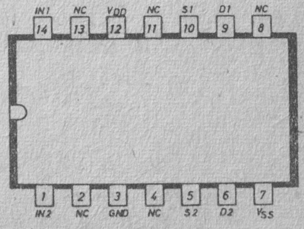
LS3


V_{DD}
1
OUT 9-16
2
NC
3
S16
4
S15
5
S14
6
S13
7
S12
8
S11
9
S10
10
S9
11
GND
12
NC
13
NC
14
28
OUT 1-8
27
V_{SS}
26
S8
25
S7
24
S6
23
S5
22
S4
21
S3
20
S2
19
S1
18
EN
17
A0
16
A1
15
A2

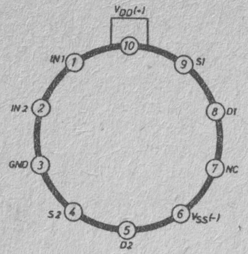
LS4


S1
14
OUT 1
13
S2
12
S4
11
OUT 2
10
S3
9
NC
8
1
V_{SS}
2
GND
3
A1
4
A2
5
NC
6
NC
7
V_{DD}

LS6

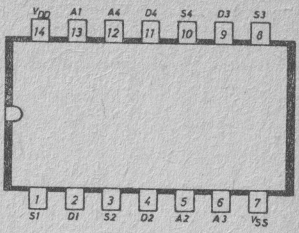

IN1
14
NC
13
V_{DD}
12
NC
11
S1
10
D1
9
NC
8
1
IN2
2
NC
3
GND
4
NC
5
S2
6
D2
7
V_{SS}

LS7



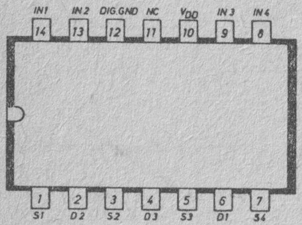
V_{DD}(+)
10
1 IN1
2 IN2
3 GND
4 S2
5 D2
6 V_{SS}(-)
7 NC
8 D1
9 S1

LS8



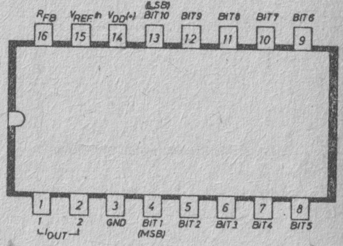
14 V_{DD}
13 A1
12 A4
11 D4
10 S4
9 D3
8 S3
1 S1
2 D1
3 S2
4 D2
5 A2
6 A3
7 V_{SS}

LS9



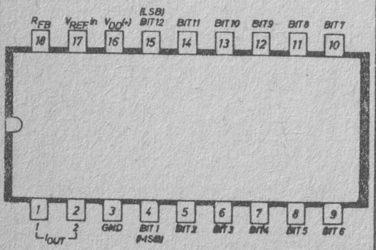
14 IN1
13 IN2
12 DIG.GND
11 NC
10 V_{DD}
9 IN3
8 IN4
1 S1
2 D2
3 S2
4 D3
5 S3
6 D1
7 S4

LS10



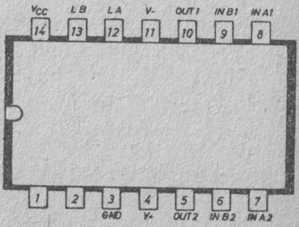
16 R_{FB}
15 V_{REF} in
14 V_{DD}(+)
13 (LSB) BIT10
12 BIT9
11 BIT8
10 BIT7
9 BIT6
1 1
2 2
I_{OUT}
3 GND
4 BIT1 (MSB)
5 BIT2
6 BIT3
7 BIT4
8 BIT5

LS11



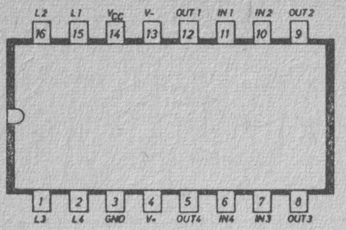
18 R_{FB}
17 V_{REF} in
16 V_{DD}(+)
15 (LSB) BIT12
14 BIT11
13 BIT10
12 BIT9
11 BIT8
10 BIT7
1 1
2 2
I_{OUT}
3 GND
4 BIT1 (MSB)
5 BIT2
6 BIT3
7 BIT4
8 BIT5
9 BIT6

LS12



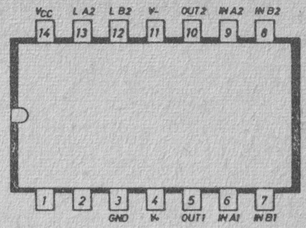
14 V_{CC}
13 LB
12 LA
11 V-
10 OUT1
9 IN B1
8 IN A1
1
2
3 GND
4 V+
5 OUT2
6 IN B2
7 IN A2

LS13



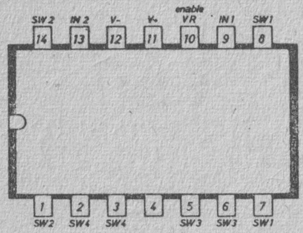
16 L2
15 L1
14 V_{CC}
13 V-
12 OUT1
11 IN1
10 IN2
9 OUT2
1 L3
2 L4
3 GND
4 V+
5 OUT4
6 IN4
7 IN3
8 OUT3

LS14



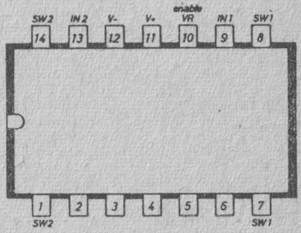
14 V_{CC}
13 L A2
12 L B2
11 V-
10 OUT2
9 IN A2
8 IN B2
1
2
3 GND
4 V+
5 OUT1
6 IN A1
7 IN B1

LS15



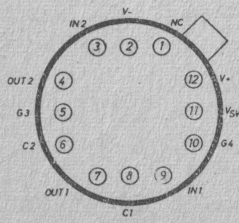
14 SW2
13 IN2
12 V-
11 V+
10 enable VR
9 IN1
8 SW1
1 SW2
2 SW4
3 SW4
4
5 SW3
6 SW3
7 SW1

LS16



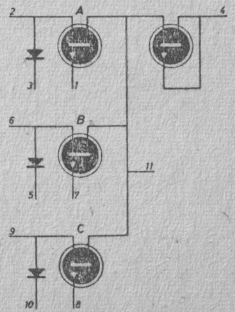
14 SW2
13 IN2
12 V-
11 V+
10 enable VR
9 IN1
8 SW1
1 SW2
2
3
4
5
6
7 SW1

LS17



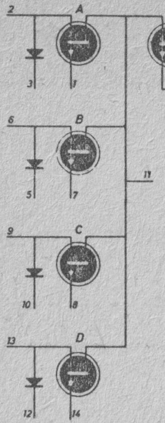
V-
IN2
NC
3
2
1
OUT2 4
G3 5
C2 6
12 V+
11 V_{SW}
10 G4
7
8
9
OUT1
IN1
C1

LS18

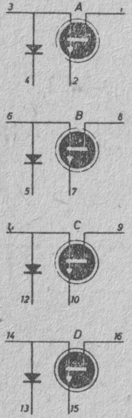


2
A
4
3
1
6
B
11
5
7
9
C
10
8

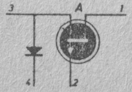
LS20


2
A
4
3
1
6
B
5
7
11
9
C
10
8
13
D
12
14

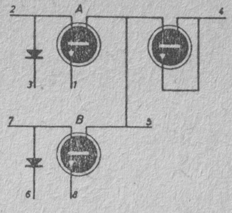
LS19


3
A
1
4
2
6
B
8
5
7
C
9
12
10
14
D
16
13
15

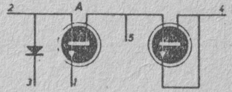
LS23



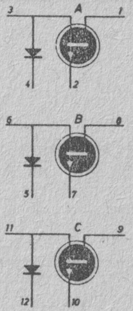
LS26


2
A
4
3
1
7
B
5
6
8

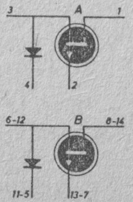
LS21



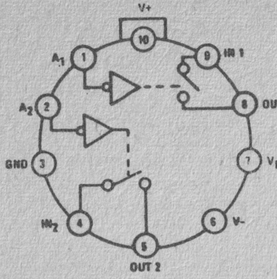
LS22


3
A
1
4
2
6
B
8
5
7
11
C
9
12
10

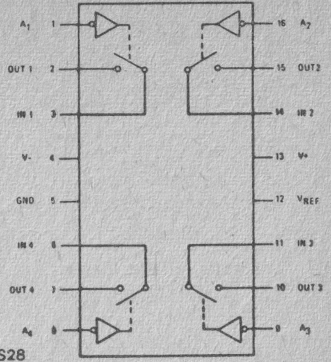
LS24


3
A
1
4
2
6-12
B
8-14
11-5
13-7

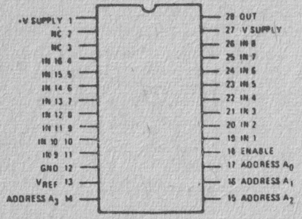
LS25


V+
10
9
IN 1
A1
1
8
OUT1
A2
2
GND
3
7
VREF
IN2
4
6
V-
5
OUT 2

LS27

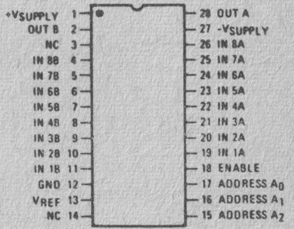

A1
1
16
A2
OUT 1
2
15
OUT2
IN 1
3
14
IN 2
V-
4
13
V+
GND
5
12
VREF
IN 4
6
11
IN 3
OUT 4
7
10
OUT 3
A4
8
9
A3

LS28

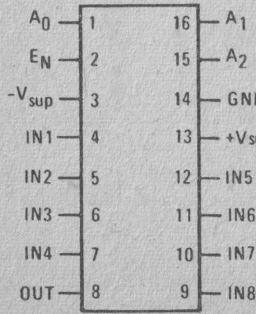

+V SUPPLY 1
NC 2
NC 3
IN 16 4
IN 15 5
IN 14 6
IN 13 7
IN 12 8
IN 11 9
IN 10 10
IN 9 11
GND 12
VREF 13
ADDRESS A3 14
28 OUT
27 V SUPPLY
26 IN 8
25 IN 7
24 IN 6
23 IN 5
22 IN 4
21 IN 3
20 IN 2
19 IN 1
18 ENABLE
17 ADDRESS A0
16 ADDRESS A1
15 ADDRESS A2

NOTE: V- connected to case

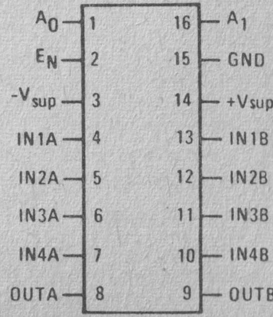
LS29


+VSUPPLY 1
OUT B 2
NC 3
IN 8B 4
IN 7B 5
IN 6B 6
IN 5B 7
IN 4B 8
IN 3B 9
IN 2B 10
IN 1B 11
GND 12
VREF 13
NC 14
28 OUT A
27 -VSUPPLY
26 IN 8A
25 IN 7A
24 IN 6A
23 IN 5A
22 IN 4A
21 IN 3A
20 IN 2A
19 IN 1A
18 ENABLE
17 ADDRESS A0
16 ADDRESS A1
15 ADDRESS A2

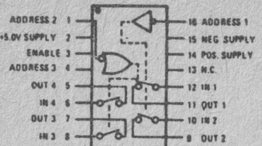
LS30


A0 1
EN 2
-Vsup 3
IN1 4
IN2 5
IN3 6
IN4 7
OUT 8
16 A1
15 A2
14 GND
13 +Vsup
12 IN5
11 IN6
10 IN7
9 IN8

LS31

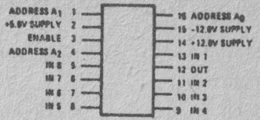

A0 1
EN 2
-Vsup 3
IN1A 4
IN2A 5
IN3A 6
IN4A 7
OUTA 8
16 A1
15 GND
14 +Vsup
13 IN1B
12 IN2B
11 IN3B
10 IN4B
9 OUTB

LS32


ADDRESS 2 1
+5.0V SUPPLY 2
ENABLE 3
ADDRESS 3 4
OUT 4 5
IN 4 6
OUT 3 7
IN 3 8
16 ADDRESS 1
15 NEG SUPPLY
14 POS. SUPPLY
13 N.C.
12 IN 1
11 OUT 1
10 IN 2
9 OUT 2

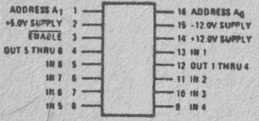
NOTE: V- connected to case.

LS33


ADDRESS A_1 1
+5.0V SUPPLY 2
ENABLE 3
ADDRESS A_2 4
IN 8 5
IN 7 6
IN 6 7
IN 5 8
16 ADDRESS A_0
15 -12.0V SUPPLY
14 +12.0V SUPPLY
13 IN 1
12 OUT
11 IN 2
10 IN 3
9 IN 4

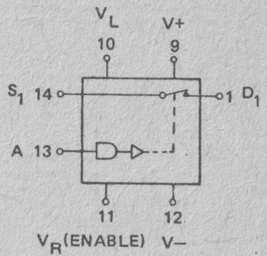
NOTE: V- connected to case.

LS34

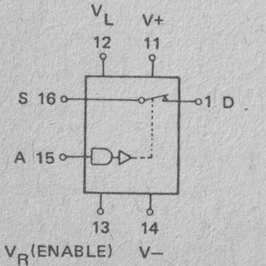

ADDRESS A_1 1
+5.0V SUPPLY 2
$\overline{\text{ENABLE}}$ 3
OUT 5 THRU 8 4
IN 8 5
IN 7 6
IN 6 7
IN 5 8
16 ADDRESS A_0
15 -12.0V SUPPLY
14 +12.0V SUPPLY
13 IN 1
12 OUT 1 THRU 4
11 IN 2
10 IN 3
9 IN 4

NOTE: V- connected to case.

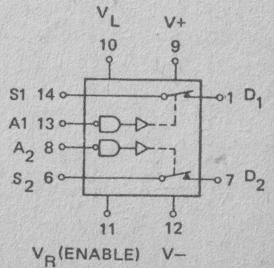
LS35


V_L
V+
10
9
S_1 14
1 D_1
A 13
11
12
V_R(ENABLE)
V–

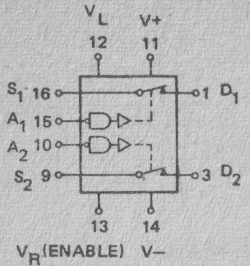
LS36


V_L
V+
12
11
S 16
1 D
A 15
13
14
V_R(ENABLE)
V–

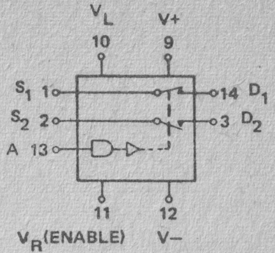
LS37


V_L
V+
10
9
S1 14
A1 13
A_2 8
S_2 6
1 D_1
7 D_2
11
12
V_R(ENABLE)
V–

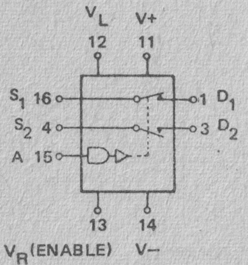
LS38


V_L
V+
12
11
S_1 16
A_1 15
A_2 10
S_2 9
1 D_1
3 D_2
13
14
V_R(ENABLE)
V–

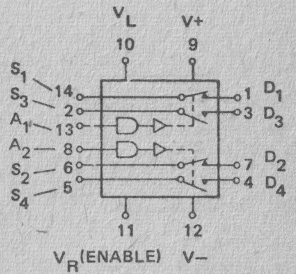
LS39


V_L
V+
10
9
S_1 1
S_2 2
A 13
14 D_1
3 D_2
11
12
V_R(ENABLE)
V–

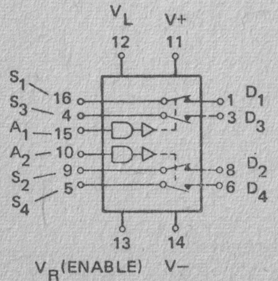
LS40


V_L
V+
12
11
S_1 16
S_2 4
A 15
1 D_1
3 D_2
13
14
V_R(ENABLE)
V–

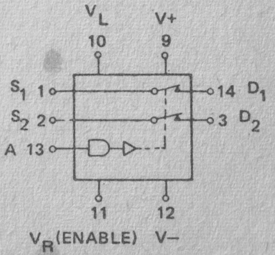
LS41


V_L
V+
10
9
S_1 14
S_3 2
A_1 13
A_2 8
S_2 6
S_4 5
1 D_1
3 D_3
7 D_2
4 D_4
11
12
V_R(ENABLE)
V–

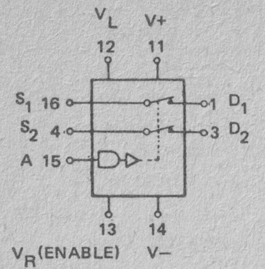
LS42


V_L
V+
12
11
S_1 16
S_3 4
A_1 15
A_2 10
S_2 9
S_4 5
1 D_1
3 D_3
8 D_2
6 D_4
13
14
V_R(ENABLE)
V–

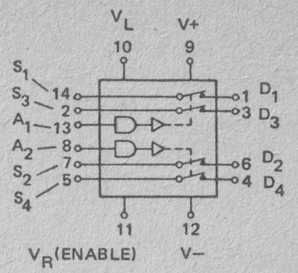
LS43


V_L
V+
10
9
S_1 1
S_2 2
A 13
14 D_1
3 D_2
11
12
V_R(ENABLE)
V–

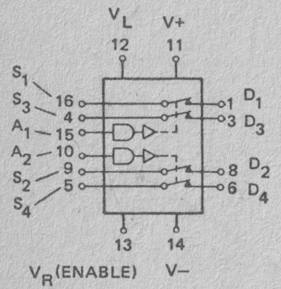
LS44


V_L V+
12 11
S1 16
S2 4
A 15
1 D1
3 D2
13 14
V_R(ENABLE) V−

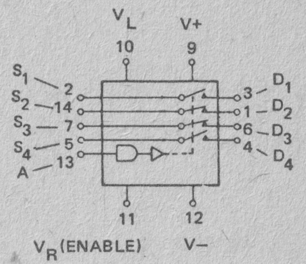
LS45


V_L V+
10 9
S1 14
S3 2
A1 13
A2 8
S2 7
S4 5
1 D1
3 D3
6 D2
4 D4
11 12
V_R(ENABLE) V−

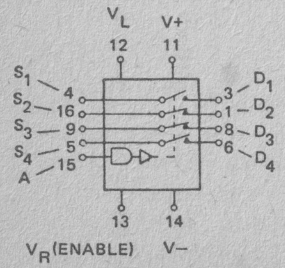
LS46


V_L V+
12 11
S1 16
S3 4
A1 15
A2 10
S2 9
S4 5
1 D1
3 D3
8 D2
6 D4
13 14
V_R(ENABLE) V−

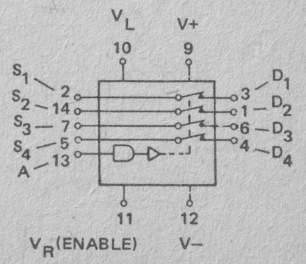
LS47


V_L V+
10 9
S1 2
S2 14
S3 7
S4 5
A 13
3 D1
1 D2
6 D3
4 D4
11 12
V_R(ENABLE) V−

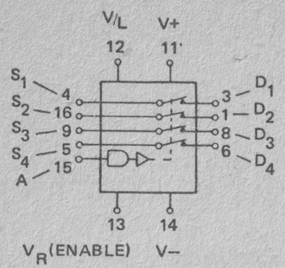
LS48


V_L V+
12 11
S1 4
S2 16
S3 9
S4 5
A 15
3 D1
1 D2
8 D3
6 D4
13 14
V_R(ENABLE) V−

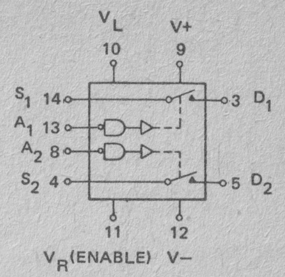
LS49


V_L V+
10 9
S1 2
S2 14
S3 7
S4 5
A 13
3 D1
1 D2
6 D3
4 D4
11 12
V_R(ENABLE) V−

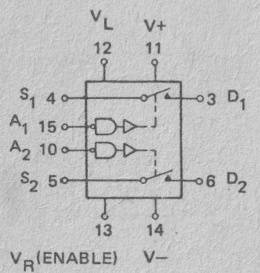
LS50


V/L V+
12 11'
S1 4
S2 16
S3 9
S4 5
A 15
3 D1
1 D2
8 D3
6 D4
13 14
V_R(ENABLE) V−

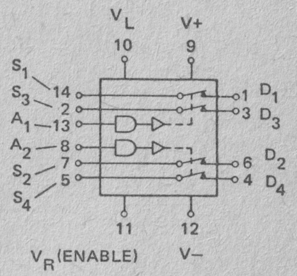
LS51


V_L V+
10 9
S1 14
A1 13
A2 8
S2 4
3 D1
5 D2
11 12
V_R(ENABLE) V−

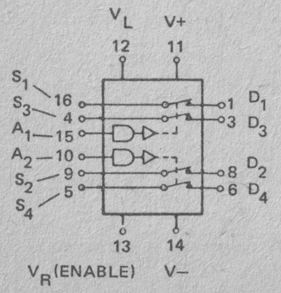
LS52


V_L V+
12 11
S1 4
A1 15
A2 10
S2 5
3 D1
6 D2
13 14
V_R(ENABLE) V−

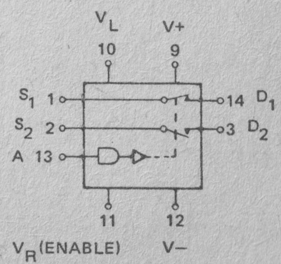
LS53


V_L V+
10 9
S1 14
S3 2
A1 13
A2 8
S2 7
S4 5
1 D1
3 D3
6 D2
4 D4
11 12
V_R(ENABLE) V−

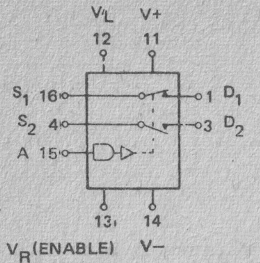
LS54


V_L V+
12 11
S1 16
S3 4
A1 15
A2 10
S2 9
S4 5
1 D1
3 D3
8 D2
6 D4
13 14
V_R(ENABLE) V−

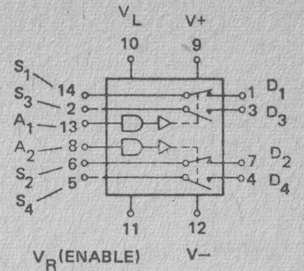
LS55


V_L V+
10 9
S1 1
S2 2
A 13
14 D1
3 D2
11 12
V_R(ENABLE) V−

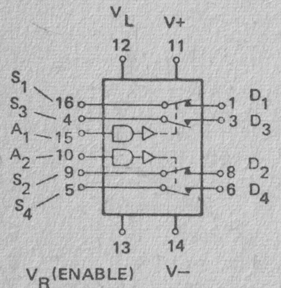
LS56


V_L
V+
12
11
S1 16
S2 4
A 15
1 D1
3 D2
13
14
V_R(ENABLE)
V−

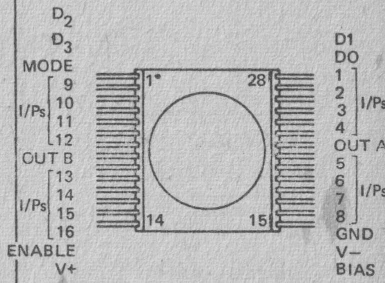
LS57


V_L
V+
10
9
S1
S3
A1
A2
S2
S4
14
2
13
8
6
5
1 D1
3 D3
7 D2
4 D4
11
12
V_R(ENABLE)
V−

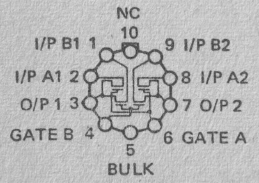
LS58


V_L
V+
12
11
S1
S3
A1
A2
S2
S4
16
4
15
10
9
5
1 D1
3 D3
8 D2
6 D4
13
14
V_R(ENABLE)
V−

LS59

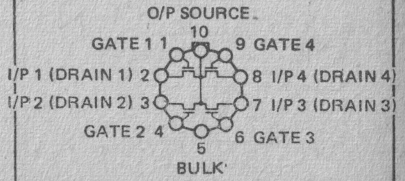

D2
D3
MODE
9
10
I/Ps
11
12
OUT B
13
14
I/Ps
15
16
ENABLE
V+
1°
28
14
15
D1
DO
1
2
I/Ps
3
4
OUT A
5
6
I/Ps
7
8
GND
V−
BIAS

LS60


NC
10
I/P B1 1
9 I/P B2
I/P A1 2
8 I/P A2
O/P 1 3
7 O/P 2
GATE B 4
6 GATE A
5
BULK

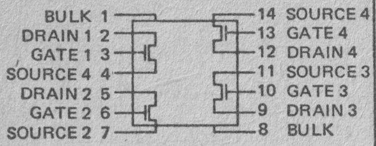
Note:— Pin 5 connected to case and device bulk

LS61

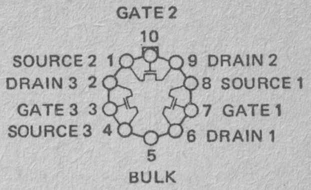

O/P SOURCE
10
GATE 1 1
9 GATE 4
I/P 1 (DRAIN 1) 2
8 I/P 4 (DRAIN 4)
I/P 2 (DRAIN 2) 3
7 I/P 3 (DRAIN 3)
GATE 2 4
6 GATE 3
5
BULK

Note:— Pin 5 connected to case and device bulk.

LS62

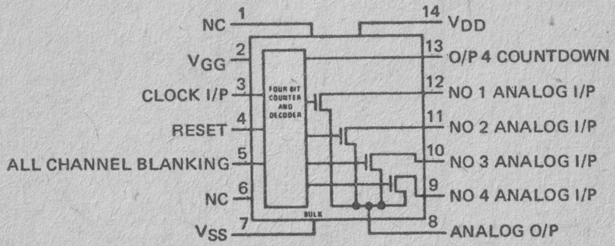

BULK 1
DRAIN 1 2
GATE 1 3
SOURCE 4 4
DRAIN 2 5
GATE 2 6
SOURCE 2 7
14 SOURCE 4
13 GATE 4
12 DRAIN 4
11 SOURCE 3
10 GATE 3
9 DRAIN 3
8 BULK

LS63


GATE 2
10
SOURCE 2 1
9 DRAIN 2
DRAIN 3 2
8 SOURCE 1
GATE 3 3
7 GATE 1
SOURCE 3 4
6 DRAIN 1
5
BULK

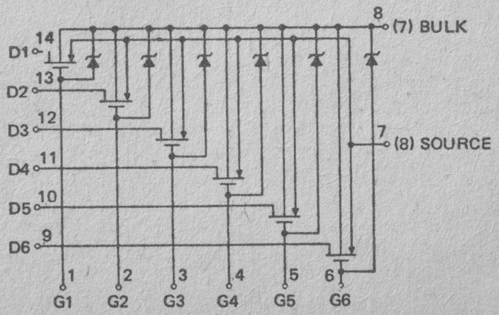
Note:— Pin 5 connected to case and device bulk
Drain and Source may be interchanged

LS64


NC 1
V_GG 2
CLOCK I/P 3
RESET 4
ALL CHANNEL BLANKING 5
NC 6
V_SS 7
FOUR BIT COUNTER AND DECODER
BULK
14 V_DD
13 O/P 4 COUNTDOWN
12 NO 1 ANALOG I/P
11 NO 2 ANALOG I/P
10 NO 3 ANALOG I/P
9 NO 4 ANALOG I/P
8 ANALOG O/P

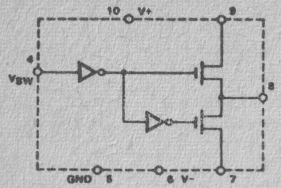
Note: Pin 7 connected to case and device bulk. Nominal operating voltages:— $V_{GG} = -24V$, V_{DD} = Ov, V_{ss} = +12V, Reset Bias = +12V (OV for reset), all channel blanking bias = +12V (OV for blanking).

LS65

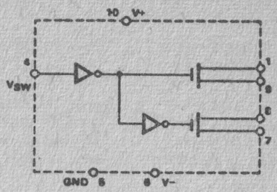

8
(7) BULK
D1 14
13
D2
12
D3
11
D4
10
D5
9
D6
7
(8) SOURCE
1 G1
2 G2
3 G3
4 G4
5 G5
6 G6

Pin numbers in parenthesis apply for MM 4504/NN 5504 only.

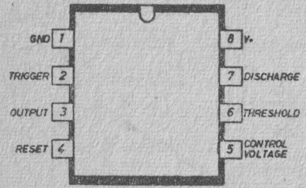
LS66


10 V+
9
4
VSW
8
GND 5
6 V-
7

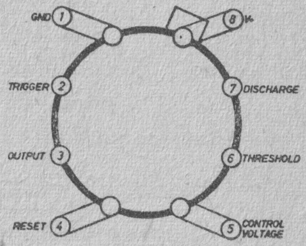
LS67


10 V+
4
VSW
1
9
2
7
GND 5
6 V-

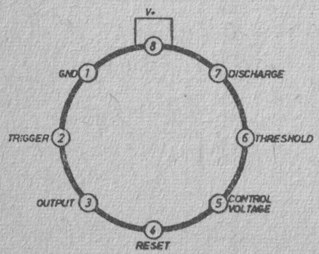
LS68


GND 1
TRIGGER 2
OUTPUT 3
RESET 4
8 V+
7 DISCHARGE
6 THRESHOLD
5 CONTROL VOLTAGE

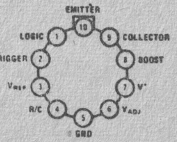
LT1


GND 1
8 V+
TRIGGER 2
7 DISCHARGE
OUTPUT 3
6 THRESHOLD
RESET 4
5 CONTROL VOLTAGE

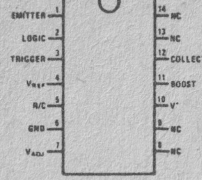
LT2


V+
8
GND 1
7 DISCHARGE
TRIGGER 2
6 THRESHOLD
OUTPUT 3
5 CONTROL VOLTAGE
4
RESET

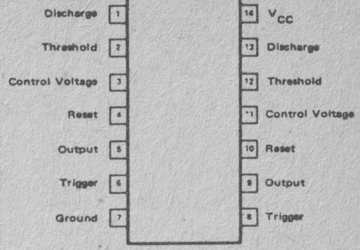
LT3


EMITTER
10
LOGIC 1
9 COLLECTOR
TRIGGER 2
8 BOOST
VREF 3
7 V+
R/C 4
6 VADJ
5
GND

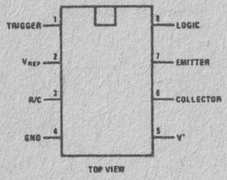
LT4


EMITTER 1
LOGIC 2
TRIGGER 3
VREF 4
R/C 5
GND 6
VADJ 7
14 NC
13 NC
12 COLLECTOR
11 BOOST
10 V+
9 NC
8 NC

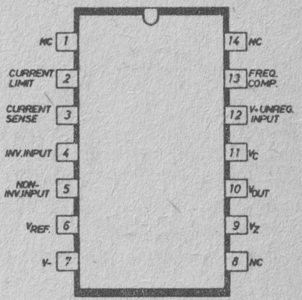
LT5


Discharge 1
Threshold 2
Control Voltage 3
Reset 4
Output 5
Trigger 6
Ground 7
14 VCC
13 Discharge
12 Threshold
11 Control Voltage
10 Reset
9 Output
8 Trigger

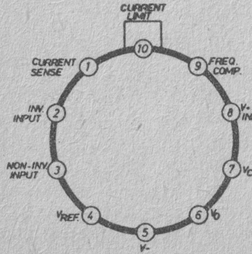
LT6


TRIGGER 1
VREF 2
R/C 3
GND 4
8 LOGIC
7 EMITTER
6 COLLECTOR
5 V+
TOP VIEW

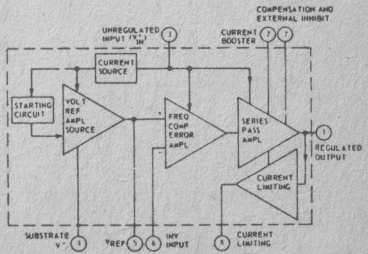
LT7


NC 1
CURRENT LIMIT 2
CURRENT SENSE 3
INV.INPUT 4
NON-INV.INPUT 5
VREF. 6
V- 7
14 NC
13 FREQ. COMP.
12 V+ UNREG. INPUT
11 VC
10 VOUT
9 VZ
8 NC

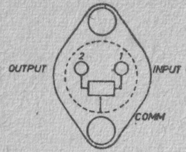
LV1


CURRENT LIMIT
10
CURRENT SENSE 1
9 FREQ. COMP.
INV. INPUT 2
8 V+ UNREG. INPUT
NON-INV. INPUT 3
7 VC
VREF. 4
6 VO
5
V-

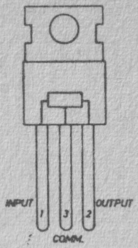
LV2


COMPENSATION AND EXTERNAL INHIBIT
UNREGULATED INPUT (V+IN) 3
CURRENT BOOSTER 2
7
CURRENT SOURCE
STARTING CIRCUIT
VOLT REF AMPL SOURCE
FREQ COMP ERROR AMPL
SERIES PASS AMPL
CURRENT LIMITING
1 REGULATED OUTPUT
SUBSTRATE V- 4
VREF 5
6 INV INPUT
8 CURRENT LIMITING

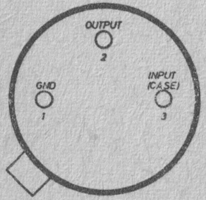
LV3


OUTPUT
2
1
INPUT
COMM

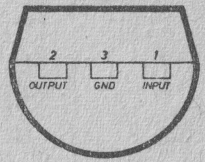
LV4


INPUT
OUTPUT
1
3
2
COMM.

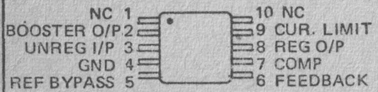
LV5


OUTPUT
2
GND
1
INPUT
(CASE)
3

LV6

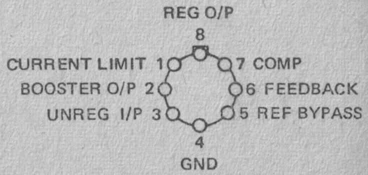

2
3
1
OUTPUT
GND
INPUT

LV7


NC 1
BOOSTER O/P 2
UNREG I/P 3
GND 4
REF BYPASS 5
10 NC
9 CUR. LIMIT
8 REG O/P
7 COMP
6 FEEDBACK

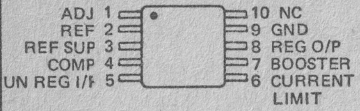
Note: Pin 4 connected to bottom of package

LV8


REG O/P
8
CURRENT LIMIT 1
BOOSTER O/P 2
UNREG I/P 3
4
GND
7 COMP
6 FEEDBACK
5 REF BYPASS

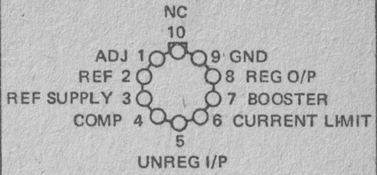
Note: Pin 4 connected to case

LV9


ADJ 1
REF 2
REF SUP 3
COMP 4
UN REG I/P 5
10 NC
9 GND
8 REG O/P
7 BOOSTER
6 CURRENT LIMIT

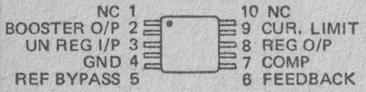
Note: Pin 5 connected to bottom of package.

LV10


NC
10
ADJ 1
REF 2
REF SUPPLY 3
COMP 4
5
UNREG I/P
9 GND
8 REG O/P
7 BOOSTER
6 CURRENT LIMIT

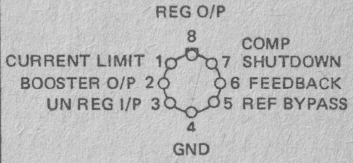
Note: Pin 5 connected to case.

LV11


NC 1
BOOSTER O/P 2
UN REG I/P 3
GND 4
REF BYPASS 5
10 NC
9 CUR. LIMIT
8 REG O/P
7 COMP
6 FEEDBACK

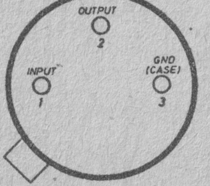
Note: Pin 4 connected to bottom of package

LV12

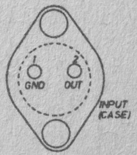

REG O/P
8
CURRENT LIMIT 1
BOOSTER O/P 2
UN REG I/P 3
4
GND
7 COMP SHUTDOWN
6 FEEDBACK
5 REF BYPASS

Note: Pin 4 connected to case

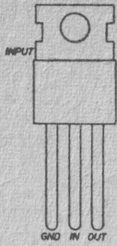
LV13


OUTPUT
2
INPUT
1
GND
(CASE)
3

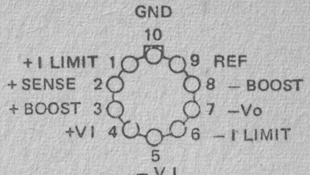
LV14


1
2
GND
OUT
INPUT
(CASE)

LV15

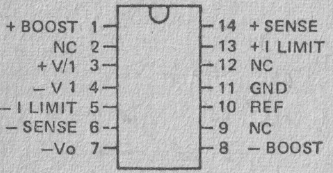

INPUT
GND
IN
OUT

LV16

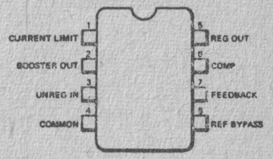

GND
10
+I LIMIT 1
9 REF
+SENSE 2
8 – BOOST
+BOOST 3
7 –Vo
+V I 4
6 – I LIMIT
5
– V I

NOTE: PIN 5 CONNECTED TO CASE

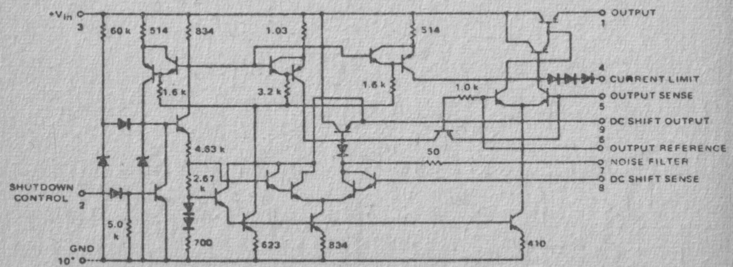
LV17


+BOOST 1
NC 2
+V/1 3
– V 1 4
– I LIMIT 5
– SENSE 6
–Vo 7
14 +SENSE
13 +I LIMIT
12 NC
11 GND
10 REF
9 NC
8 – BOOST

LV18

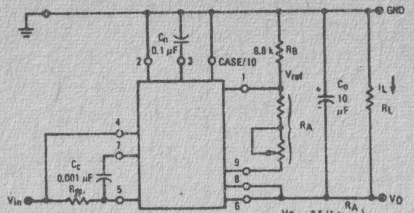

CURRENT LIMIT
BOOSTER OUT
UNREG IN
COMMON
REG OUT
COMP
FEEDBACK
REF BYPASS

LV19


+Vin
3
60 k
514
834
1.03
514
1.6 k
3.2 k
1.6 k
1.0 k
4.63 k
2.67 k
50
5.0 k
700
623
834
410
SHUTDOWN CONTROL
2
GND
10*
OUTPUT
1
4
CURRENT LIMIT
OUTPUT SENSE
5
DC SHIFT OUTPUT
9
6
OUTPUT REFERENCE
NOISE FILTER
7
DC SHIFT SENSE
8

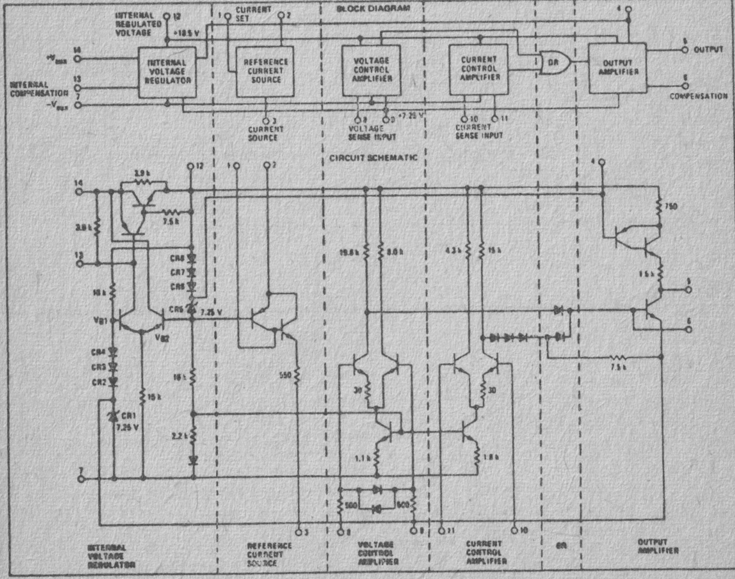
"G" package – 10 pin is ground; "R" package-case is ground.

LV20

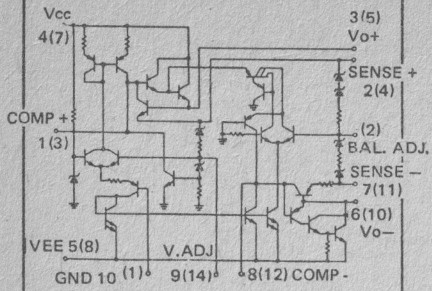

GND
Cn 0.1 µF
2
3
CASE/10
6.8 k
RB
Vref
1
RA
Co 10 µF
IL
RL
4
7
Cc 0.001 µF
RSC
5
9
8
6
Vin
VO

Select R_A to Give Desired V_O. $R_A \approx (2|V_O|-7)\,k\Omega$ $V_O \approx -3.5\left(1+\frac{R_A}{R_B}\right)$

LV21

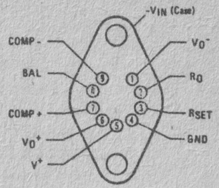

BLOCK DIAGRAM
INTERNAL REGULATED VOLTAGE
12
+18.5 V
CURRENT SET
1
2
14
+Vaux
13
INTERNAL COMPENSATION
7
–Vaux
INTERNAL VOLTAGE REGULATOR
REFERENCE CURRENT SOURCE
VOLTAGE CONTROL AMPLIFIER
CURRENT CONTROL AMPLIFIER
OR
OUTPUT AMPLIFIER
4
5 OUTPUT
6 COMPENSATION
3 CURRENT SOURCE
9 8 VOLTAGE SENSE INPUT
+7.25 V
10 11 CURRENT SENSE INPUT
CIRCUIT SCHEMATIC
3.9 k
7.5 k
3.8 k
CR8
CR7
CR5
CR6
7.25 V
VB1
VB2
CR4
CR3
CR2
CR1 7.25 V
15 k
18 k
2.2 k
550
19.8 k
8.0 k
4.3 k
15 k
30
30
1.1 k
1.8 k
500
500
750
15 k
7.5 k
INTERNAL VOLTAGE REGULATOR
REFERENCE CURRENT SOURCE
VOLTAGE CONTROL AMPLIFIER
CURRENT CONTROL AMPLIFIER
OR
OUTPUT AMPLIFIER

LV22

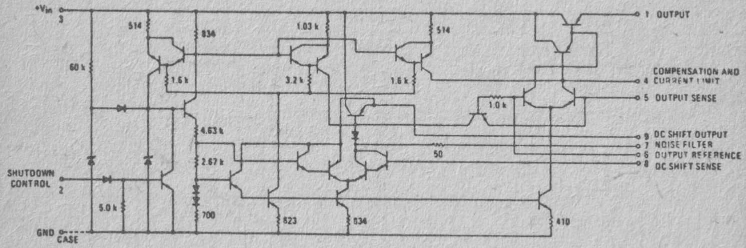

Vcc
4(7)
3(5)
Vo+
SENSE +
2(4)
COMP +
1(3)
(2)
BAL. ADJ.
SENSE –
7(11)
6(10)
Vo–
VEE 5(8)
V.ADJ
GND 10
(1)
9(14)
8(12) COMP -

Pin numbers adjacent to terminals are for G and R suffix packages only. Pin numbers in parenthesis are for L suffix package only. Pin 10 is ground for the G suffix package only. For the R package case is ground.

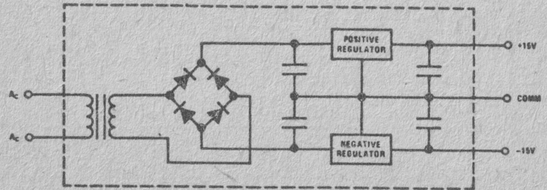
LV23


-VIN (Case)
COMP -
BAL
COMP +
VO+
V+
VO-
RO
RSET
GND
9
8
7
6
5
4
3
2
1

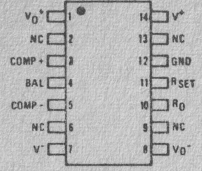
LV26


+Vin
3
514
834
60 k
1.6 k
1.03 k
3.2 k
514
1.6 k
1.0 k
4.63 k
2.67 k
50
SHUTDOWN CONTROL
2
5.0 k
700
823
834
410
GND
CASE
1 OUTPUT
4 COMPENSATION AND CURRENT LIMIT
5 OUTPUT SENSE
9 DC SHIFT OUTPUT
7 NOISE FILTER
6 OUTPUT REFERENCE
8 DC SHIFT SENSE

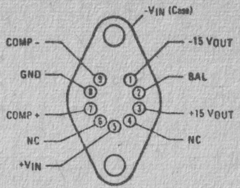
LV24


AC
AC
POSITIVE REGULATOR
NEGATIVE REGULATOR
+15V
COMM
-15V

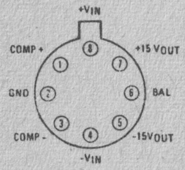
LV25


VO+ 1
NC 2
COMP + 3
BAL 4
COMP - 5
NC 6
V- 7
14 V+
13 NC
12 GND
11 RSET
10 RO
9 NC
8 VO-

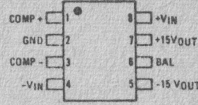
LV27


-VIN (Case)
COMP -
GND
COMP +
NC
+VIN
-15 VOUT
BAL
+15 VOUT
NC
1
2
3
4
5
6
7
8
9

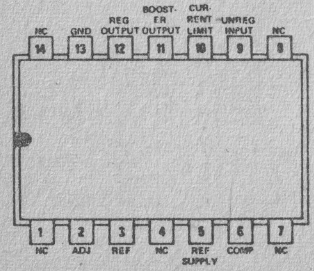
LV28


+VIN
COMP +
+15 VOUT
GND
BAL
COMP -
-15VOUT
-VIN
8
1
7
2
6
3
5
4

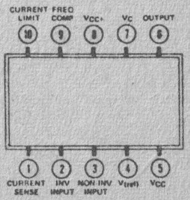
LV29


COMP + 1
GND 2
COMP - 3
-VIN 4
8 +VIN
7 +15VOUT
6 BAL
5 -15 VOUT

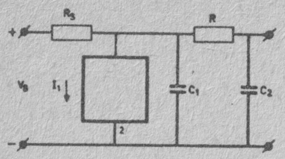
LV30


NC 14
GND 13
REG OUTPUT 12
BOOSTER OUTPUT 11
CURRENT LIMIT 10
UNREG INPUT 9
NC 8
1 NC
2 ADJ
3 REF
4 NC
5 REF SUPPLY
6 COMP
7 NC

LV31

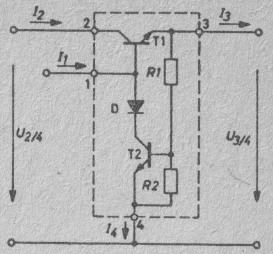

CURRENT LIMIT 10
FREQ COMP 9
VCC+ 8
VC 7
OUTPUT 6
1 CURRENT SENSE
2 INV INPUT
3 NON-INV INPUT
4 V(ref)
5 VCC

LV32



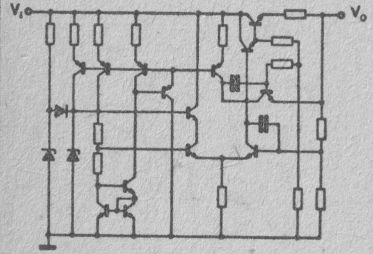
+
R_s
R
V_s
I_1
C_1
C_2
2
−

LV33

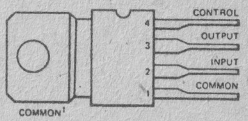


I2
I1
I3
2
1
3
T1
R1
D
T2
R2
U2/4
U3/4
I4
4

LV34

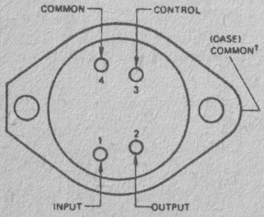


LV35



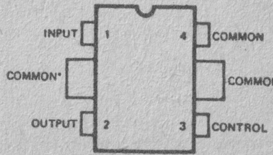
CONTROL
OUTPUT
INPUT
COMMON
4
3
2
1
COMMON†

LV36



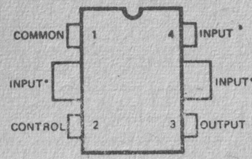
COMMON
CONTROL
(CASE) COMMON†
4
3
1
2
INPUT
OUTPUT

LV37



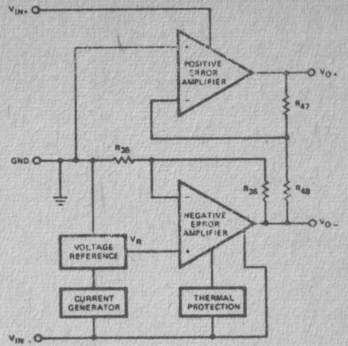
INPUT
1
4
COMMON
COMMON*
COMMON*
OUTPUT
2
3
CONTROL

LV38



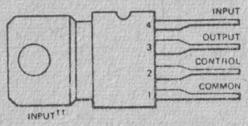
COMMON
1
4
INPUT*
INPUT*
INPUT*
CONTROL
2
3
OUTPUT

LV39



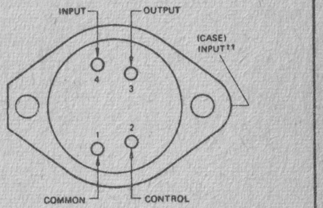
V_IN+
POSITIVE ERROR AMPLIFIER
V_O+
R47
GND
R35
R36
R48
NEGATIVE ERROR AMPLIFIER
V_O−
VOLTAGE REFERENCE
V_R
CURRENT GENERATOR
THERMAL PROTECTION
V_IN−

LV40



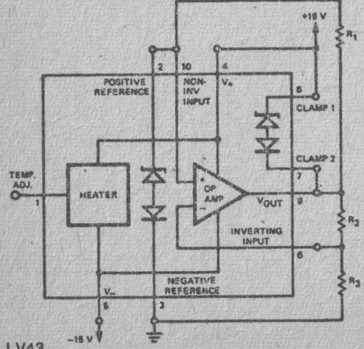
INPUT
OUTPUT
CONTROL
COMMON
4
3
2
1
INPUT††

LV41



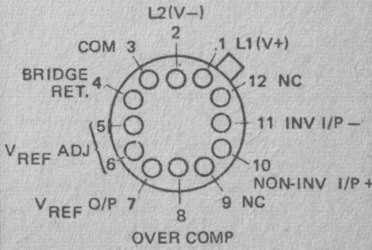
INPUT
OUTPUT
(CASE) INPUT††
4
3
1
2
COMMON
CONTROL

LV42



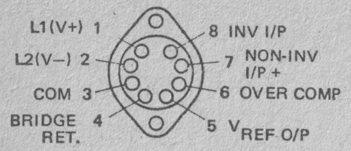
+15 V
R1
2
10
4
POSITIVE REFERENCE
NON-INV INPUT
V+
8
CLAMP 1
CLAMP 2
7
TEMP. ADJ.
1
HEATER
OP AMP
V_OUT
9
INVERTING INPUT
6
R2
R3
NEGATIVE REFERENCE
V−
5
3
−15 V

LV43

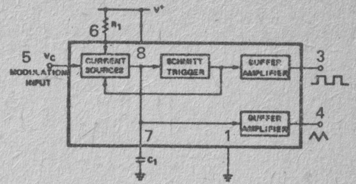


L2(V−)
2
COM 3
1 L1(V+)
BRIDGE RET. 4
12 NC
5
11 INV I/P −
V_REF ADJ
6
10
NON-INV I/P +
V_REF O/P 7
8
9 NC
OVER COMP

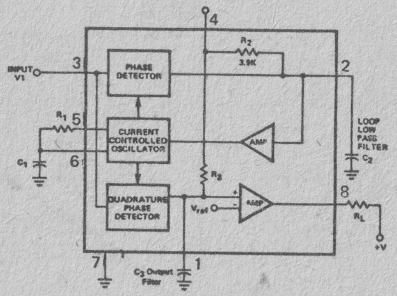
LX1


L1(V+) 1
L2(V−) 2
COM 3
BRIDGE RET. 4
8 INV I/P
7 NON-INV I/P +
6 OVER COMP
5 VREF O/P

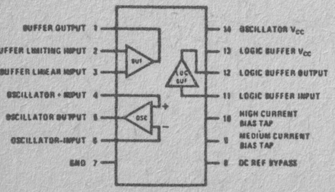
LX2


V+
6
R1
5
Vc
MODULATION INPUT
CURRENT SOURCES
8
SCHMITT TRIGGER
BUFFER AMPLIFIER
3
BUFFER AMPLIFIER
4
7
1
C1

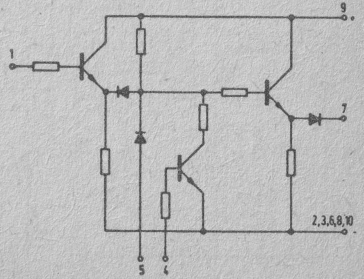
LX3


4
INPUT V1
3
PHASE DETECTOR
R2
3.9K
2
R1
5
CURRENT CONTROLLED OSCILLATOR
AMP
LOOP LOW PASS FILTER
C1
6
C2
R3
QUADRATURE PHASE DETECTOR
Vref
AMP
8
RL
+V
7
C3 Output Filter
1

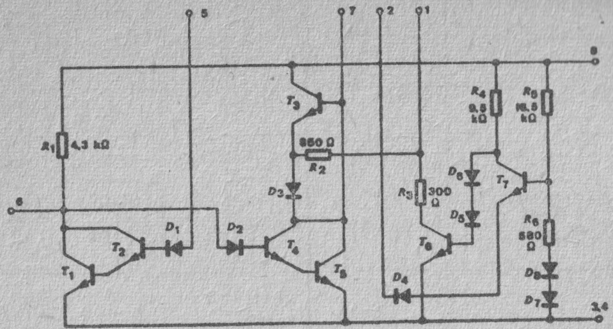
LX4


BUFFER OUTPUT 1
BUFFER LIMITING INPUT 2
BUFFER LINEAR INPUT 3
OSCILLATOR + INPUT 4
OSCILLATOR OUTPUT 5
OSCILLATOR-INPUT 6
GND 7
BUF
LOG BUF
OSC
14 OSCILLATOR VCC
13 LOGIC BUFFER VCC
12 LOGIC BUFFER OUTPUT
11 LOGIC BUFFER INPUT
10 HIGH CURRENT BIAS TAP
9 MEDIUM CURRENT BIAS TAP
8 DC REF BYPASS

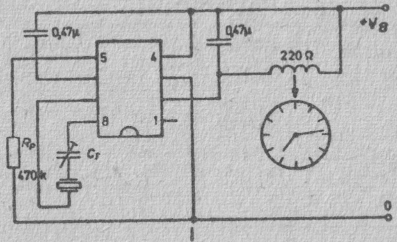
LX5


9
1
7
2,3,6,8,10
5
4

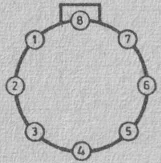
LX6


5
7
2
1
8
R4
9,5 kΩ
R5
16,5 kΩ
T3
R1 4,3 kΩ
850 Ω
R2
D3
6
R3 300 Ω
D6
D5
T7
R6
580 Ω
D1
D2
T2
T4
T6
T1
T5
D4
D8
D7
3,4

LX7

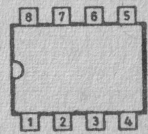

0,47μ
0,47μ
+VB
5
4
220 Ω
8
1
RP
470k
CT
0

LX8



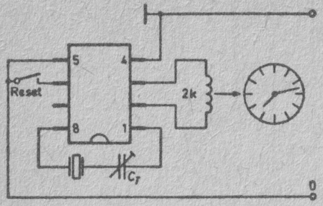
1. quartz crystal connection
2. output regulation
3. output
4. ground
5. positive supply (V_p)
6. not connected
7. not connected
8. quartz crystal connection

LX9

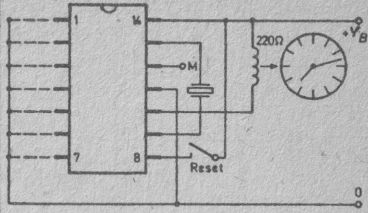


1. output regulation
2. output
3. ground
4. positive supply (V_p)
5. not connected
6. not connected
7. quartz crystal connection
8. quartz crystal connection

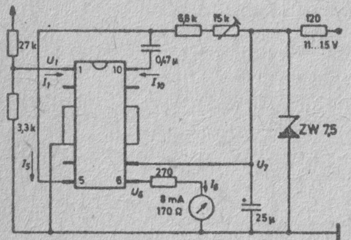
LX10


5
4
Reset
2k
8
1
C_T
0

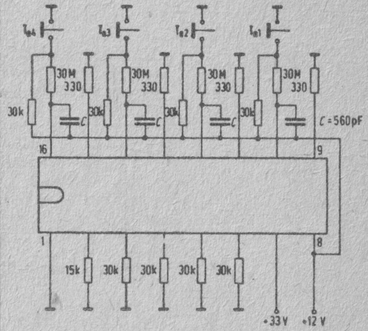
LX11


1
14
220Ω
$+V_B$
M
7
8
Reset
0

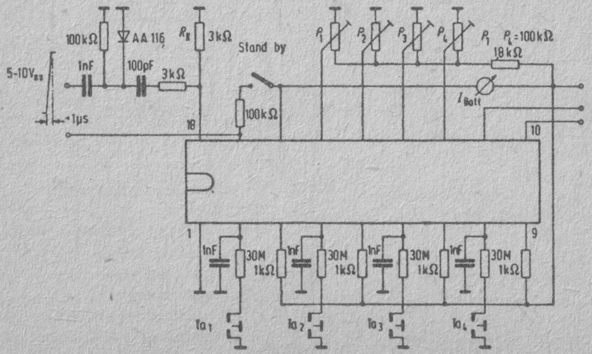
LX12


27k
6,8k
15k
120
11...15 V
U_1
0,47μ
1
10
I_1
I_{10}
3,3k
ZW 7,5
I_5
270
5
6
U_7
U_6
I_6
8 mA
170 Ω
25μ

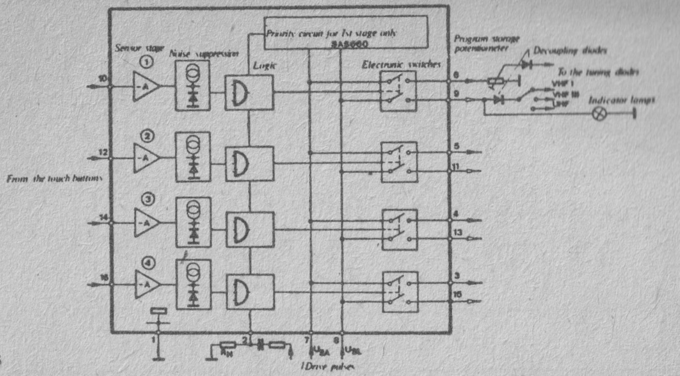
LX13


Ta_4
Ta_3
Ta_2
Ta_1
30M
330
30k
C
C=560pF
16
9
1
8
15k
30k
30k
30k
30k
+33V
+12 V

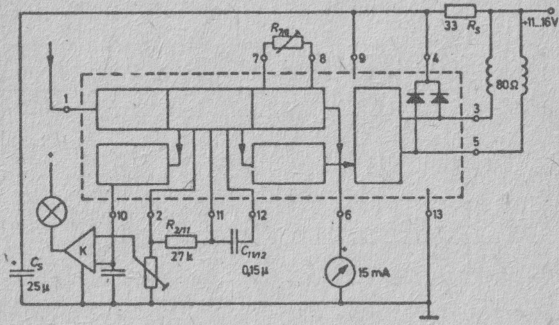
LX14


100kΩ
AA 116
R_8
3kΩ
Stand by
P_1
P_2
P_3
P_4
$P_1=100k\Omega$
5-10V_{ss}
1nF
100pF
3kΩ
18kΩ
I_{Batt}
1μs
100kΩ
18
10
1
9
1nF
30M
1kΩ
Ta_1
Ta_2
Ta_3
Ta_4

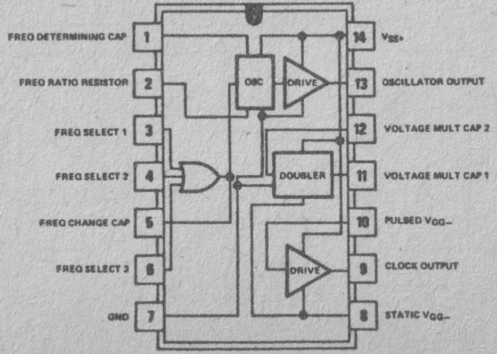
LX15


Priority circuit for 1st stage only
SAS660
Sensor stage
Noise suppression
Logic
Electronic switches
Program storage potentiometer
Decoupling diodes
To the tuning diodes
VHF I
VHF III
UHF
Indicator lamps
From the touch buttons
①
②
③
④
10
12
14
16
6
9
5
11
4
13
3
15
1
2
7
8
R_H
U_{BA}
U_{BL}
Drive pulse

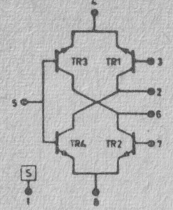
LX16


33
R_S
+11...16V
$R_{7/8}$
7
8
9
4
1
80Ω
3
5
10
2
11
12
6
13
$R_{2/11}$
27k
$C_{11/12}$
0,15μ
K
C_S
25μ
15 mA

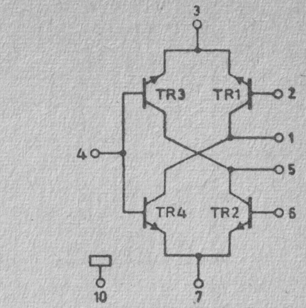
LX17


FREQ DETERMINING CAP
1
FREQ RATIO RESISTOR
2
FREQ SELECT 1
3
FREQ SELECT 2
4
FREQ CHANGE CAP
5
FREQ SELECT 3
6
GND
7
OSC
DRIVE
DOUBLER
DRIVE
14
V_{SS+}
13
OSCILLATOR OUTPUT
12
VOLTAGE MULT CAP 2
11
VOLTAGE MULT CAP 1
10
PULSED V_{GG-}
9
CLOCK OUTPUT
8
STATIC V_{GG-}

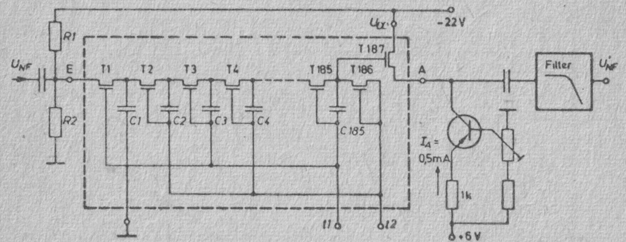
LX18


4
TR3
TR1
3
5
2
6
TR4
TR2
7
S
1
8

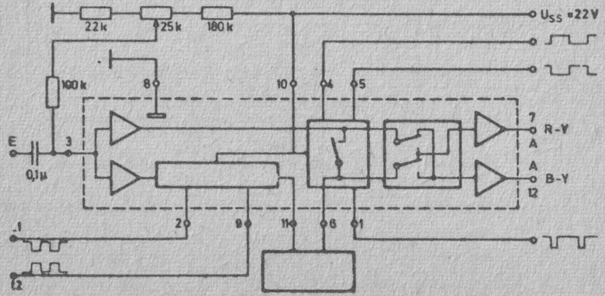
LX19


3
TR3
TR1
2
4
1
5
TR4
TR2
6
10
7

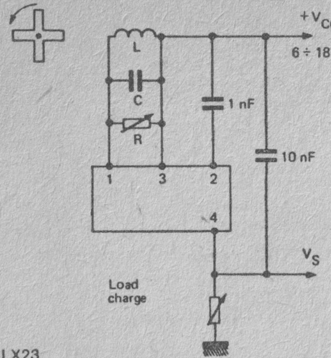
LX20


-22V
R1
U_{NF}
E
T1
T2
T3
T4
T185
T186
T187
A
Filter
U'_{NF}
R2
C1
C2
C3
C4
C185
I_A =
0,5mA
1k
+6V
t1
t2

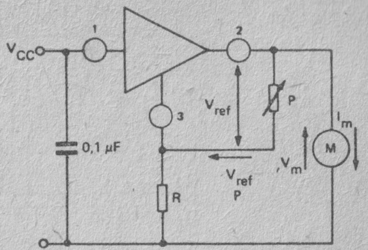
LX21


22k
25k
180k
U_{SS} =22V
100k
8
10
4
5
E
3
0,1μ
7
R-Y
A
A
B-Y
12
2
9
11
6
1
t1
t2

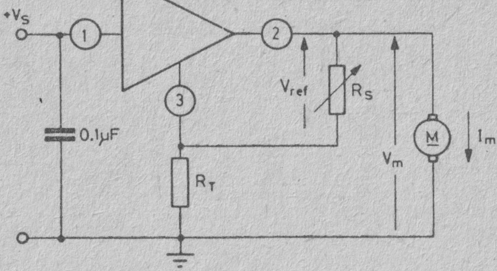
LX22


+V_{CC}
6 ÷ 18 V
L
C
R
1 nF
10 nF
1
3
2
4
V_S
Load
charge

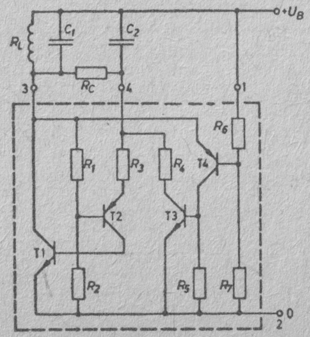
LX23


V_{CC}
1
2
3
0,1 μF
R
V_{ref}
P
V_{ref}
P
V_m
I_m
M

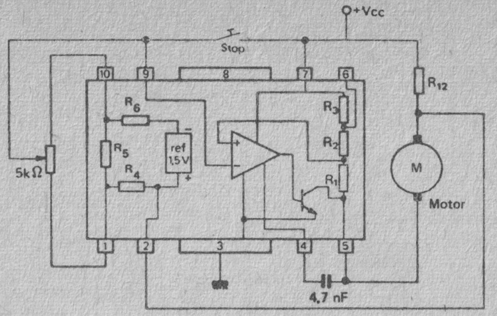
LX24


+V_S
1
2
3
0.1μF
R_T
V_{ref}
R_S
V_m
M
I_m

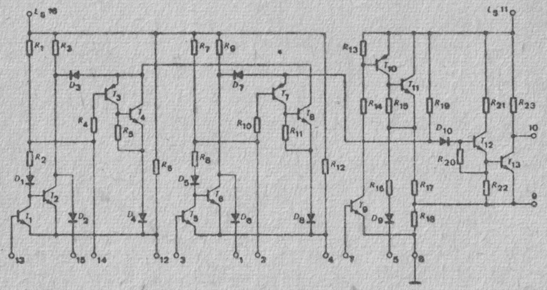
LX25


+U_B
R_L
C_1
C_2
R_C
3
4
1
R_1
R_3
R_4
R_6
T4
T2
T3
T1
R_2
R_5
R_7
0
2

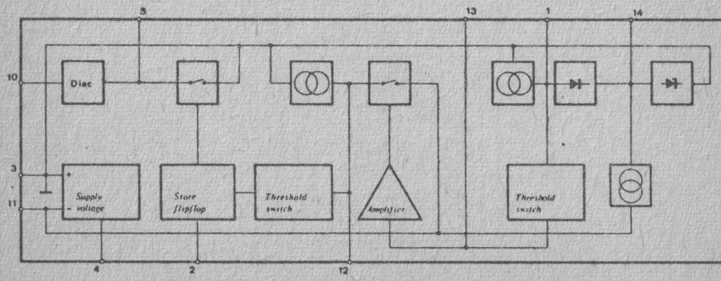
LX26


+Vcc
Stop
R12
R6
R5
R4
ref 1,5V
R3
R2
R1
5kΩ
M
Motor
4,7 nF

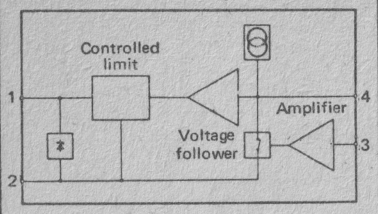
LX27


R1
R3
D3
T3
T4
R4
R5
R2
D1
T1
T2
D2
D4
R6
R7
R9
D7
T7
T8
R10
R11
R8
D5
T5
T6
D6
R12
D8
R13
T10
T11
R14
R15
R19
D10
T12
R20
R21
R23
T13
R22
R16
R17
R18
T9
D9

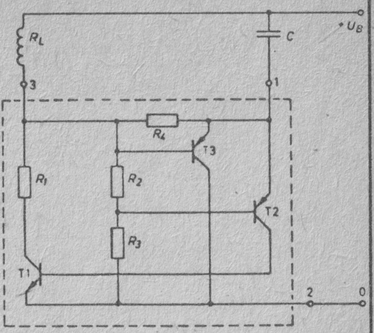
LX28


Diac
Supply voltage
Store flipflop
Threshold switch
Amplifier
Threshold switch

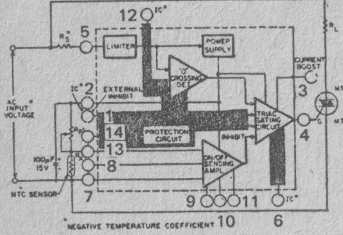
LX29


Controlled limit
Amplifier
Voltage follower

LX30


RL
C
+UB
R4
T3
R1
R2
T2
R3
T1

LX31


LIMITER
POWER SUPPLY
ZERO CROSSING DET.
EXTERNAL INHIBIT
AC INPUT VOLTAGE
PROTECTION CIRCUIT
TRIAC GATING CIRCUIT
CURRENT BOOST
ON/OFF SENSING AMPL.
INHIBIT
NTC SENSOR
*NEGATIVE TEMPERATURE COEFFICIENT

AC Input Voltage (50/60 or 400 Hz) V AC	Input Series Resistor (R_S) k Ω	Dissipation Rating for R_S W
24	2	0.5
120	10	2
208/230	20	4
277	25	5

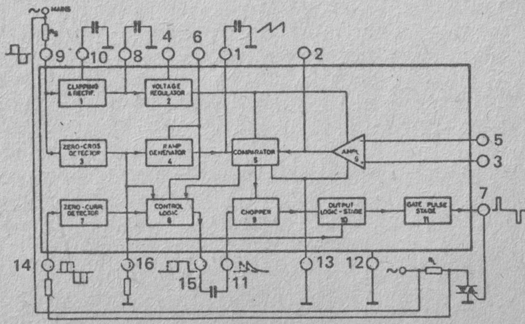
NOTE:

Circuitry, within shaded areas, not included in CA3079

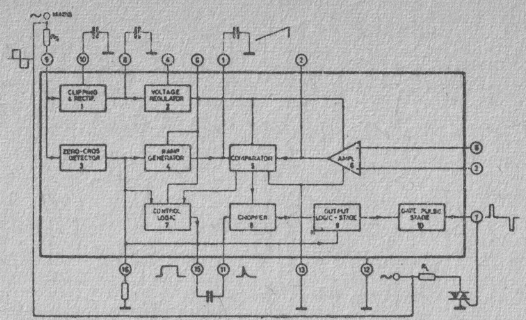
■ See chart above

▲ IC = Internal Connection - - DO NOT USE (Terminal Restriction applies only to CA3079).

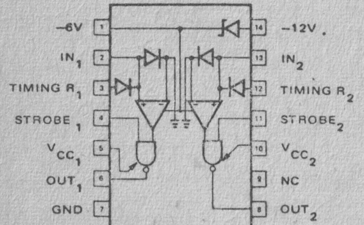
LZ1


MAINS
CLIPPING & RECTIF.
VOLTAGE REGULATOR
ZERO-CROSS DETECTOR
RAMP GENERATOR
COMPARATOR
AMPL.
ZERO-CURR. DETECTOR
CONTROL LOGIC
CHOPPER
OUTPUT LOGIC + STAGE
GATE PULSE STAGE

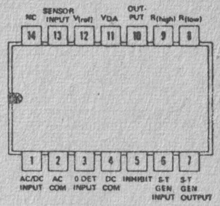
LZ2


MAINS
CLIPPING & RECTIF. 1
VOLTAGE REGULATOR 2
ZERO-CROSS DETECTOR 3
RAMP GENERATOR 4
COMPARATOR 5
AMPL 6
CONTROL LOGIC 7
CHOPPER 8
OUTPUT LOGIC + STAGE 9
GATE PULSE STAGE 10

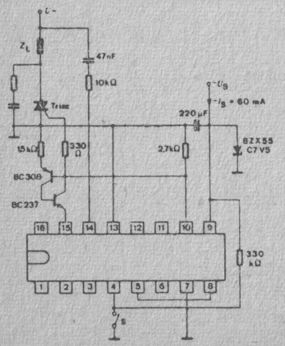
LZ3


-6V
IN1
TIMING R1
STROBE1
VCC1
OUT1
GND
-12V
IN2
TIMING R2
STROBE2
VCC2
NC
OUT2

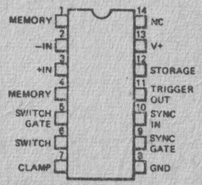
LZ4


NC
SENSOR INPUT
V(ref)
VDA
OUTPUT
R(high)
R(low)
AC/DC INPUT
AC COM
0 DET INPUT
DC COM
INHIBIT
S-T GEN INPUT
S-T GEN OUTPUT

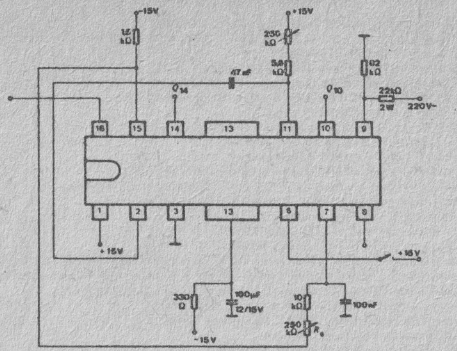
LZ5


Z_L
47nF
10kΩ
Triac
-U_B
-I_B = 60 mA
220µF
2.7kΩ
BZX55 C7V5
15kΩ
330 Ω
BC308
BC237
330 kΩ
S

LZ6


MEMORY
-IN
+IN
MEMORY
SWITCH GATE
SWITCH
CLAMP
NC
V+
STORAGE
TRIGGER OUT
SYNC IN
SYNC GATE
GND

LZ8


+15V
15 kΩ
250 kΩ
47nF
5.6 kΩ
82 kΩ
22kΩ 2W
220V~
330 Ω
100µF 12/15V
10 kΩ
250 kΩ
100nF
-15V

LZ7

Please note overleaf is a list of other titles that are available in our range of Radio and Electronics Books.

These should be available from most good Booksellers, Radio Component Dealers and Mail Order Companies.

However, should you experience difficulty in obtaining any title in your area, then please write directly to the publishers enclosing payment to cover the cost of the book plus adequate postage.

If you would like a COMPLETE CATALOGUE of all our publications, then please send a Stamped Addressed Envelope.

BERNARD BABANI (publishing) LTD
THE GRAMPIANS
SHEPHERDS BUSH ROAD
LONDON W6 7NF
ENGLAND

BERNARD BABANI (Publishing) LTD

BP1	First Book of Transistor Equivalents and Substitutes	50p
BP2	Handbook of Radio, TV & Industrial & Transmitting Tube & Valve Equivalents	60p
BP5	Handbook of Simple Transistor Circuits	35p
BP6	Engineers and Machinists Reference Tables	50p
BP7	Radio and Electronic Colour Codes and Data Chart	25p
BP10	Modern Crystal and Transistor Set Circuits for Beginners	35p
BP11	Practical Transistor Novelty Circuits	40p
BP12	Hi-Fi, P.A., Guitar & Discotheque Amplifier Handbook	75p
BP13	Electronic Novelties for the Motorist	50p
BP14	Second Book of Transistor Equivalents	£1.10
BP15	Constructors Manual of Electronic Circuits for the Home	50p
BP17	Radio Receiver Construction Handbook Using IC's and Transistors	60p
BP18	Boys and Beginners Book of Practical Radio and Electronics	60p
BP22	79 Electronic Novelty Circuits	75p
BP23	First Book of Practical Electronic Projects	75p
BP24	52 Projects Using IC741 (or Equivalents)	75p
BP25	How to Build Your Own Electronic and Quartz Controlled Watches & Clocks	85p
BP26	Radio Antenna Handbook for Long Distance Reception and Transmission	85p
BP27	Giant Chart of Radio Electronic Semiconductor and Logic Symbols	60p
BP28	Resistor Selection Handbook (International Edition)	60p
BP29	Major Solid State Audio Hi-Fi Construction Projects	85p
BP30	Two Transistor Electronic Projects	85p
BP31	Practical Electrical Re-Wiring and Repairs	85p
BP32	How to Build Your Own Metal and Treasure Locators	85p
BP33	Electronic Calculator Users Handbook	95p
BP34	Practical Repair and Renovation of Colour TV's	95p
BP35	Handbook of IC Audio Preamplifier and Power Amplifier Construction	95p
BP36	50 Circuits Using Germanium, Silicon and Zener Diodes	75p
BP37	50 Projects Using Relays, SCR's and TRIACS	£1.10
BP38	Fun and Games with your Electronic Calculator	75p
BP39	50 (FET) Field Effect Transistor Projects	£1.25
BP40	Digital IC Equivalents and Pin Connections	£2.50
BP41	Linear IC Equivalents and Pin Connections	£2.75
BP42	50 Simple L.E.D. Circuits	75p
BP43	How to Make Walkie-Talkies	£1.25
BP44	IC 555 Projects	£1.45
BP45	Projects in Opto-Electronics	£1.25
100	A Comprehensive Radio Valve Guide – Book 1	40p
121	A Comprehensive Radio Valve Guide – Book 2	40p
126	Boys Book of Crystal Sets	25p
138	How to Make Aerials for TV (Band 1 – 2 – 3)	25p
143	A Comprehensive Radio Valve Guide – Book 3	40p
157	A Comprehensive Radio Valve Guide – Book 4	40p
160	Coil Design and Construction Manual	75p
178	A Comprehensive Radio Valve Guide – Book 5	40p
183	How to Receive Foreign TV Programmes on your set by simple modifications	35p
196	AF – RF Reactance – Frequency Chart for Constructors	15p
200	Handbook of Practical Electronic Musical Novelties	50p
201	Practical Transistorised Novelties for Hi-Fi Enthusiasts	35p
202	Handbook of Integrated Circuits (IC's) Equivalents and Substitutes	75p
203	IC's and Transistor Gadgets Construction Handbook	60p
204	Second Book of Hi-Fi Loudspeaker Enclosures	75p
205	First Book of Hi-Fi Loudspeaker Enclosures	75p
206	Practical Transistor Circuits for Modern Test Equipment	60p
207	Practical Electronic Science Project	75p
208	Practical Stereo and Quadrophony Handbook	75p
210	The Complete Car Radio Manual	75p
211	First Book of Diode Characteristics Equivalents and Substitutes	95p
213	Electronic Circuits for Model Railways	85p
214	Audio Enthusiasts Handbook	85p
215	Shortwave Circuits for Gear for Experimenters and Radio Hams	85p
216	Electronic Gadgets and Games	85p
217	Solid State Power Supply Handbook	85p
218	Build Your Own Electronic Experimenters Laboratory	85p
219	Solid State Novelty Projects	85p
220	Build Your Own Solid State Hi-Fi and Audio Accessories	85p
221	28 Tested Transistor Projects	95p
222	Solid State Short Wave Receivers for Beginners	95p
223	50 Projects Using IC CA3130	95p
224	50 CMOS IC Projects	95p
225	A Practical Introduction to Digital IC's	95p
226	How to Build Advanced Short Wave Receivers	£1.20
227	Beginners Guide to Building Electronic Projects	£1.25
228	Essential Theory for the Electronics Hobbyist	£1.25
RCC	Resistor Colour Code Disc Calculator	10p

BERNARD BABANI BP41

Linear IC Equivalents & Pin Connections

- Shows Equivalents and Pin Connections of a popular user-orientated selection of Linear Integrated Circuits.
- Also shows details of Families, Functions, Country of Origin and Manufacturer.
- Includes devices manufactured by Analog Devices, Advance Micro Devices, Fairchild, Harris, ITT, Motorola, Philips, RCA, Raytheon, Signetics, Sescosem, SGS-ATES, Siemens, AEG-Telefunken, Texas Instruments, Teledyne.
- Companion volume to book No: BP40–DIGITAL IC EQUIVALENTS AND PIN CONNECTIONS.
- An invaluable addition to the Library of all those interested in Electronics, be they amateur or professional.

Cover designed by the Nicholls Design Unit

BERNARD BABANI (Publishing) LTD
The Grampians
Shepherds Bush Road
London W6 7NF
England

ISBN 0 85934 045 7

£2.75